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1954 Catalog

Flower and Vegetable Seeds • Summer Flowering Bulbs and Supplies

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Zinnia, Blaze

A. H. Hummert Seed Co.

2746-48 Chouteau Ave.

Phone GRand 0646

After April 3, please call Prospect 1-0646

ST. LOUIS 3, MISSOURI

A. H. HUMMERT SEED CO.

Catalog for 1954

➡ Prices in This Catalog Are Subject to Change Without Notice ⬅

PLEASE NOTE

USE OUR ORDER SHEET. It will be of great help to us in filling your order correctly and speedily, if you will use the Order Sheet sent you with the catalog. **Please Keep a Copy of Your Order.**

NEW ACCOUNTS desiring credit, please give three trade references.

Flower seeds are shipped parcel post prepaid.

ALL OTHER ITEMS ARE NOT PREPAID. Please include sufficient postage with cash orders. Postage will be billed on Charge Orders.

ROUTING. Please give explicit shipping directions with each order, if wanted by Express, Truck or Freight. If no directions are given, we will use our best judgment, but all goods travel at purchaser's risk.

NO C.O.D. SHIPMENTS. We advise against C.O.D. orders because of delays and excessively high collection charges.

IMPOSSIBLE TO GUARANTEE CROPS

Warranty. Although we try our best to please we cannot warrant in any way, expressed or implied, the contents or description, purity, productiveness or any matter of any seeds, bulbs or plants and we will not in any way be responsible for the crop. If the purchaser does not accept these goods on the above terms no sale is made thereof and goods must be returned at once.

Again we say for the business you have sent us we are grateful, and trust we may continue to serve you carefully and promptly.

A. H. HUMMERT.

LAWN GRASS SEED

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10x30 feet; 75 to 100 pounds to the acre.

Lawn seed wanted by parcel post, add postage.

OUR FINEST LAWN MIXTURE

VELVET LAWN SEED

The finest balanced mixture of the best Kentucky Blue Grass, Fancy Re-cleaned Red Top, small percentage of Rye Grass and White Clover. The best lawn mixture for this climate. 3 lbs., \$4.65; 5 lbs., \$7.50; 10 lbs., \$15.00; 25 lbs., \$36.25; 100-lb. bag, \$1.40 per lb.

BENT, COLONIAL or HIGHLAND (*Agrostis tenuis*)

An excellent all-around Bent for lawns, greens, parks and playing fields; grows on wide range of soils; spreads mainly by underground root stalks or rhizomes, making a deep reinforced sod. 1/2 lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.00; 25 lbs., \$33.70.

BENT, SEASIDE

This is the variety which was first identified in Oregon. It is a hardy creeping variety forming a close, matlike sward. 1/2 lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.00; 25 lbs., \$33.70.

BERMUDA

It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. 1 lb., 95c; 5 lbs., \$4.50.

CREEPING RED FESCUE

A variety of Fescue; superior to Chewings. This fine-leaved grass produces a bright green turf, especially well adapted for tree shade. Sow 5 lbs. per 1000 sq. ft. 3 lbs., \$2.75; 5 lbs., \$4.50; 10 lbs., \$9.00; 25 lbs., \$20.50.

BLUE GRASS, KENTUCKY (*Poa pratensis*)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once established, lasts indefinitely. Deep rooting and has an attractive color. For lawns, sow 5 lbs. per 1000 sq. ft. 5 lbs., \$8.50; 10 lbs., \$17.00; 25 lbs., \$41.25; 100-lb. bag, \$1.60 per lb.

KENTUCKY BLUE GRASS B-27

A new selection of blue grass of a wider blade and darker green color. Seed stock is very limited. Per lb., \$5.00; 5 lbs., \$23.75.

KY. 31 FESCUE

Excellent for roadsides, athletic fields, airports, etc.—quite drought resistant—deep rooted, coarse for lawn purposes. 5 lbs., \$2.00; 25 lbs., \$8.75; 100 lbs., 25c per lb.

SHADY LAWN MIXTURE

Blend of species that have been proven by test to best survive shaded and adverse conditions. 1 lb., \$1.25; 5 lbs., \$5.50; 10 lbs., \$11.00; 25 lbs., \$25.50.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought resistant. 3 lbs., \$3.25; 10 lbs., \$11.00; 25 lbs., \$25.00.

RYE GRASS, PERENNIAL

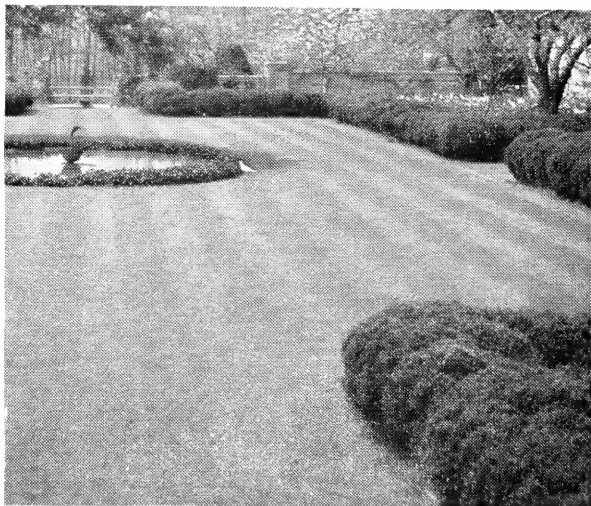
A hardy grass of quick growth, suitable for lawns and meadows. 3 lbs., \$1.60; 5 lbs., \$1.60; 10 lbs., \$3.20; 100 lbs., \$21.00.

RYE GRASS

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. 3 lbs., 75c; 5 lbs., \$1.25; 10 lbs., \$2.25; 100 lbs., \$16.00.

WHITE or DUTCH CLOVER FOR LAWN

A low growing Clover. Very desirable for beautifying the lawn. 1 pound covers 600 square feet. 1/2 lb., 75c; 1 lb., \$1.25; 5 lbs., \$6.00; 25 lbs., \$27.50.



VEGETABLE SEEDS

Beans wanted by parcel post, add postage.

One of the most profitable spring crops for the greenhouse or hotbed plant is seedling vegetable plants for home gardens. We are offering vegetable seeds only in the best standard varieties for market and home garden.

ASPARAGUS

Mary Washington. (Rust-proof.) Undoubtedly the finest rust-resistant variety grown. Shoots thick; heavy yielder of fine quality. **Oz., 25c; ¼ lb., 90c; 1 lb., \$2.50.** Roots available during March and April. **Doz., 50c; 100, \$3.50.**



BEANS

Green - podded Varieties. (1 lb. will plant 150 feet).

Bountiful. A familiar variety extensively used by shippers, home and market gardeners. The earliest of the flat pod varieties. **Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.**

Black Valetine Stringless. 52 days. Accepted by shippers and market gardeners as the finest of

all the Valetine strains. **Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.**

Landreth Stringless Green Pod. 50 days. Developed from a selection out of Burpee's Stringless Green Pod. Excellent for shipping and canning. **Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.**

Topcrop. 52 days. Immune to Bean mosaic, and therefore outyields most others. Pods are 6 inches long, straight, entirely stringless, and very meaty. **Pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50.**

BUSH WAX BEANS

Pencil Pod Wax. 52 days. The pods average 5 to 6 inches in length, a round-podded wax variety.

Round Pod Kidney Wax. A leader and standard in the wax pods as a canning variety. Has supreme quality.

Top Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long. Seed solid white with brown eye.

Above Varieties:

Large pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.



USE NITRAGIN

Garden Size Packet for Inoculating PEAS, BEANS and SWEET PEAS
(Will treat 8 lbs. of seed) 15c.

BUSH LIMA BEANS

Burpee's Improved Bush Lima. 80 days. Grows 10 to 30 inches; handsome large pods. **Pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.**

Fordhook Bush. 75 days. The outstanding variety for home and market, producing a very heavy crop of large fat pods. **Pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.**

Henderson's Bush Lima. 74 days. Produces enormous crops. Small seeded—sure to produce under any conditions. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00.**

POLE LIMA BEANS

King of the Garden. 84 days. One of the best pole Limas, large leaved, good climber. Pods about 4½ to 5½ inches long. **Large pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.**

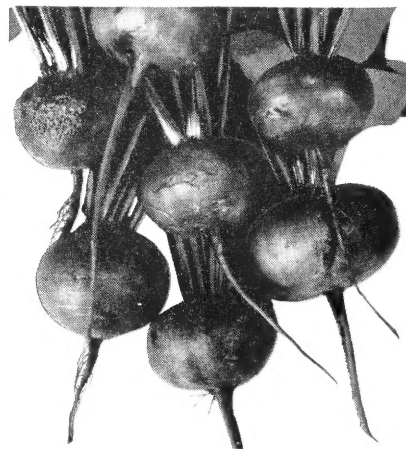
POLE BEANS

One pound will plant 200 hills.

Kentucky Wonder, Old Homestead. 65 days. Unexcelled for home and market garden.

St. Louis Perfection. 70 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell Beans. The pods are round.

Large pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.



Detroit
Dark Red
Beet

BEETS

1 oz., to 60 ft. row.

Sow seeds as early in the spring as the ground can be worked. For a continuous supply make repeated sowings 3 to 4 weeks apart.

Sow seed in rows 1¼ to 2 ft. apart, cover with ½ in. of fine soil.

Early Wonder. 50 days. Earliest and best for early market or home garden. Tops short, flesh dark red. **Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$1.50.**

Detroit Dark Red Selected. 55 days. The best all-purpose beet. Superb quality, good keeper and should be used for main crop for home or market. **Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$1.50.**

Chard Lucullus. 60 days. The most commonly grown. A fine home variety satisfactory also for market use. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**

MANGEL BEET

Used largely for winter feeding of your stock. Sow seed in early spring in rows 2 to 3 ft., apart; cover with ½ in. of soil.

Mammoth Long Red. **Oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

BROCCOLI

(Ounce will produce about 2000 plants)

De Cicco. 60 days. Earliest to mature. None better for shippers, home or market. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.**

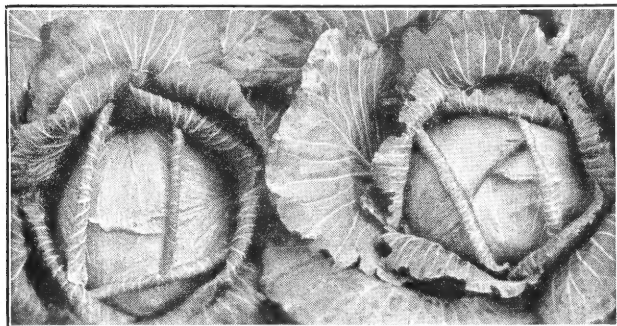
BRUSSELS SPROUTS

(Ounce will produce about 3000 plants)

Long Island Improved. 90 days. A fine sort for home or market. Commonly grown as fall, winter or early spring crop. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.**

CABBAGE

For earliest crop, start seed in hotbed; for medium early Cabbage, seed may be sown in a cold frame or open-ground seedbed in early spring. Sow late Cabbage for winter use in a seedbed outdoors when soil has become thoroughly warm. A packet will produce about 250 plants, an ounce will produce about 2000 plants.



All Seasons. 80 days. Of the flat Dutch type and a first class main crop. The heads are very large and solid. $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Copenhagen Market. (Select.) 66 days. A very choice strain. Medium-sized heads; compact, good yielder. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Charleston Wakefield. 70 days. Large, heart-shaped, average weight 4 to 5 lbs. For home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Detroit. (Yellows Resistant.) Similar to Golden Acre except larger head. It is very uniform, has earliness and is desirable for planting on yellows infested soil. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00.

Early Dwarf Flat Dutch. 65 days. Heads nearly round, firm, fine flavor and high quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Early Jersey Wakefield. Pointed heads. 62 days. Extremely early variety, very valuable for home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

Golden Acre. (Select.) 64 days. Round head, short stem. Uniform, firm, especially valuable for early market and shipping. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00.

Marion Market. (Yellows Resistant.) 85 days. This was originally bred up from Copenhagen Market. It takes about 20 days longer to mature. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00.

Premium Late Flat Dutch. 90 days. Good keeper, firm heads of good quality. Dependable. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

SAVOY and RED CABBAGE

Dark Red. 90 days. Best red variety. Good keeper, round hard head. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Savoy Chieftain. 90 days. Best of the Savoy or crinkled leaved sorts. A splendid keeper. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

CHINESE CABBAGE**Chinese or Celery Cabbage**

Michihli. 70 days. This is a sure heading, vigorous growing lettuce variety with erect, cylindrical pointed heads 18 to 20 inches long. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

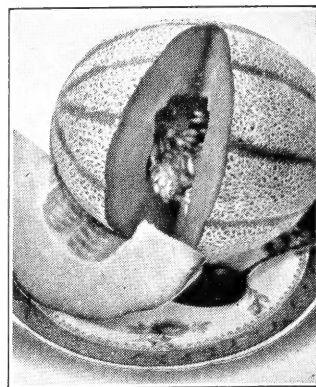
COLLARDS

Georgia or Southern. A variety of Cabbage that does not form a head, but produces a mass of leaves. Very hardy. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.

CANTALOUPE

1 oz. plants 50 hills:
2 lbs. to 1 acre.

Plant in May for early crop; in June for late crop.



Hale's Best. 85 days. The most popular and leading Cantaloupe with large shippers and growers. Early and uniform. Small seed cavity and deep salmon color flesh of excellent quality. $5\frac{3}{4}$ inches long, $5\frac{1}{4}$ inches in diameter, or slightly oval. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Pride of Wisconsin. 90 days. Salmon flesh of unusual thickness. The Melon grows to an average size of 8 inches. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

CARROTS

1 oz. will sow 100 feet of row.

Sow in March and April, in drills 1 inch deep and 14 inches apart; thin out to 2 inches. For main crop sow in May or beginning of June. A rich, mellow, deeply worked soil gives the finest Carrots.



Chantenay. 70 days. Roots about 5 to 6 inches in length, 2 to $2\frac{1}{2}$ inches thick at the crown, smooth and tapering. Color deep orange-red. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25.

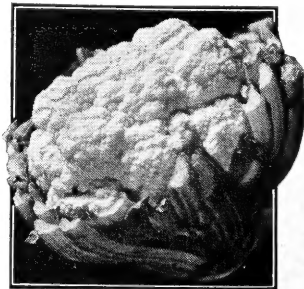
Chantenay. Long Type. A longer, slimmer strain of Chantenay which can be used for bunching. Tops slightly shorter than Chantenay, but more compact. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25.

Danvers Half Long. 75 days. Well-known main-crop or late Carrot of great uniformity. The deep orange-red roots are 7 to $7\frac{1}{2}$ in. long and 2 to $2\frac{1}{2}$ in. in diameter, tapering gradually toward the blunt end. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; 1 lb., \$2.00.

CAULIFLOWER

Packet will produce 200 plants; ounce 2000 plants.

Super Snowball. Finest quality, 65 days. Well-adapted for use under a wide range of conditions. Heads large, firm and pure white, and well protected by inner leaves. Pkt., 25c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75.



Early Snowball. 54 days. Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular. Pkt., 25c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.

Seed wanted by Parcel Post, add postage.

CELERY

1 packet will produce 300 plants.

Giant Pascal. 140 days. The standard late, green Celery of excellent quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.

Golden Self Blanching. Select. 85 days. Early and very desirable for home and market garden. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.

Celeriac. Turnip rooted. 120 days. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25.

CORN SALAD

Large Leaved. Sometimes called Lamb's Lettuce. An extremely hardy type plant that forms rosettes of tender leaves which are used as a substitute for Lettuce and mixing with salads. Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., \$3.00.

SWEET CORN

1 pkt. plants 40 hills; 1 lb., 250 hills; 15 lbs. to acre.

Country Gentleman Hybrid. About 95 days. The grain is small, and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 20c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.00.

Corneli's Gold Rush Hybrid. First early, golden yellow hybrid. Stalks 6 ft. tall, produces an average of 2 ears per stalk, ears 8½ in. long, 12 to 14 rows slightly tapered, well filled to tip. Attractive yellow; sweet and tender. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

Evergreen Hybrid. 86 days. An excellent hybrid of the Stowell's Evergreen type, noted for its uniformity and increased yield. Pkt., 15c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75.

Golden Cross Hybrid. 85 days. Bred for wilt resistance, high yield and superlative quality. Grows 7 to 8 ft. high. Fine ears with 10 to 14 rows of light golden kernels. Pkt., 15c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50; 100 lbs., \$36.00.

HYBRID POP CORN

Purdue Yellow Hullless. Pkt., 15c; ½ lb., 40c; 1 lb., 75c.

EGGPLANT

Sow seed in hotbeds early in spring and transplant to the open after all danger of frost is over, 2 feet each way; cultivate frequently.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.25.

Burpee's Hybrid. This variety produces a tremendous crop of very large fruits. ¼ oz., \$1.50; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

ENDIVE

1 oz. of seed for 50 ft. of row.

It may be grown at any season but is more generally planted for fall.

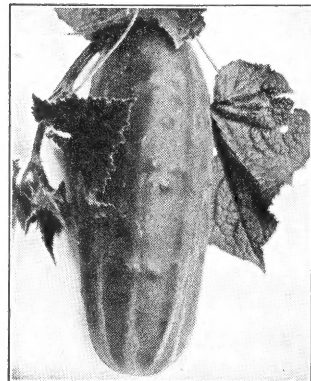
Broad-Leaved White or Escarolle. 92 days. A distinctly improved form of Broad-Leaved Endive. Plant medium large with deep, full, well-blanching heart of infolded broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Green Curled. 95 days. The leaves of this variety are finely divided, giving a mossy appearance. Pkt., 10c; oz., 25c; ¼ lb., 75c.

CUCUMBERS

Do not plant Cucumbers until danger of frost has passed. ½ oz. to 25 hills; 2 lbs. to 1 acre.

A & C (Colorado). 68 days. A long, slender, dark green Cucumber of excellent shape and intense dark green color. Fruit is inclined to taper, especially at stem end. Pkt., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.



Burpee Hybrid. Its remarkably high resistance to disease makes it an excellent variety where downy mildew and mosaic are a problem. Green fruits, averaging 8 inches in length. Pkt., 30c; ¼ oz., \$1.00; ½ oz., \$1.75; oz., \$3.00.

Long Green Improved. 70 days. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. Pkt., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

Stay Green. 64 days. Fruits rich dark green, retaining their color long after picking, 7 to 8 inches long, 2¾ inches thick. Pkt., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.

Straight Eight. 64 days. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green. Pkt., 15c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

Snow's Perfection Pickling. 60 days. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.

HERB SEEDS

Every kitchen garden should have some of the popular herbs. Basil, Borage, Coriander, Chives, Dill, Fennel, Sweet Marjoram, Sage, Savory, Thyme.

Prices above each: Tr. pkt., 15c.

KALE

Siberian. 40 days. Very hardy and improved by moderate frost. Sow in May or June. Makes excellent greens, tender and fine flavor. Oz., 20c; ¼ lb., 45c; 1 lb., \$1.50.

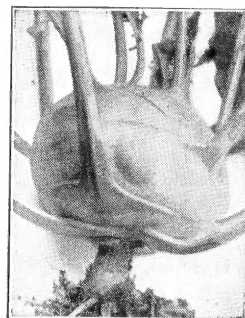
Dwarf Green Curled Scotch. 55 days. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25.

KOHLRABI

1 oz. of seed will produce 3000 plants.

For early use sow in hotbeds and transplant. Outdoors sow in open ground the first part of April in rows 18 inches apart; thin out.

Earliest White Vienna. 55 days. Greenish white outside, with clear white flesh within, fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c; 1 lb., \$2.75.



LEEK

The long, thick, blanched neck is desirable for soups.
Large London Flag. Pkt., 10c; ½ oz., 20c; oz., 35c;
 ¼ lb., \$1.00.

LETTUCE

1 oz. will produce 3000 plants.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills, being careful to firm the soil over the seed and thin to 4 inches in row.

EARLY CURLED VARIETIES

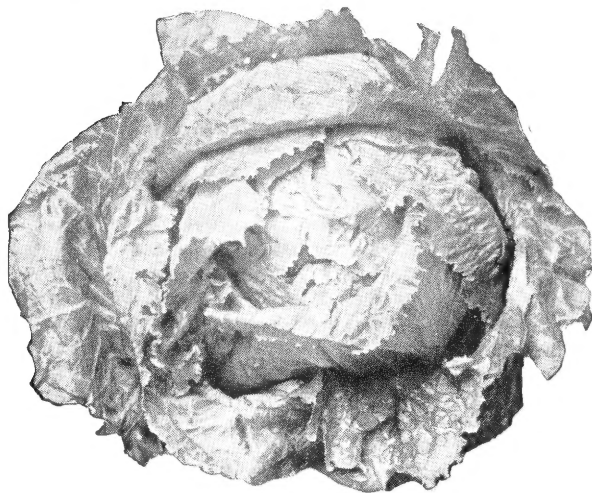
Early Curled Simpson. 45 days. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.95.

Black-Seeded Simpson. 45 days. Easily grown, especially recommended for spring and early summer use. The leaves are large, yellowish green, fringed and crumpled. The inner leaves are almost white. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.95.

Grand Rapids. 45 days. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

Prize Head. 40 days. Forms a very large loose head, slightly tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Salad Bowl Lettuce. Salad Bowl is well named. A head fills a salad bowl with a perfect rosette of rich green and very decorative leaves. It is a loose-leaf variety. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

**HEADING VARIETIES**

Big Boston. 70 days. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

Bibb Lettuce. A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.00.

Great Lakes. 75 days. Iceberg type, bred to make tight heads in hot weather. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

Oakleaf. Noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree, deep green and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

Romaine or Paris White Cos. 65 days. Compact heads, well blanched, excellent for salads. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.95.

MUSKMELON. See Cantaloupe, page 2.

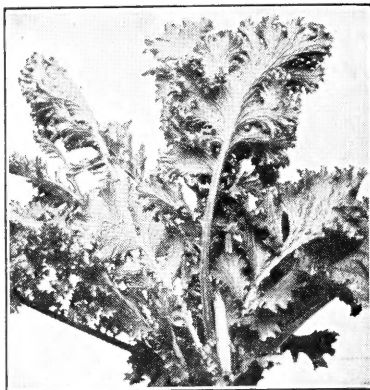
MUSTARD

1 oz. will sow 40 ft.

Mustard greens are as healthful and nourishing as Spinach.

Chinese Broad-Leaved. The leaves are broad, smooth and often 12 inches long. Color deep green. Oz., 10c; ¼ lb., 35c; lb., \$1.00.

Southern Giant Curled (Long Standing). 30 days. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing. 1 oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.



Tender Green Mustard Spinach. A quick growing variety, producing large, dark green leaves with small lighter green ribs. It is the only vegetable that is ready for table or market in 21 to 24 days after planting. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long. **Dwarf Green Prolific.** 65 days. Low, stocky and productive, with long pods. Oz., 15c; ¼ lb., 45c; lb., \$1.25.

ONION

1 oz. will sow 100 ft. of row.

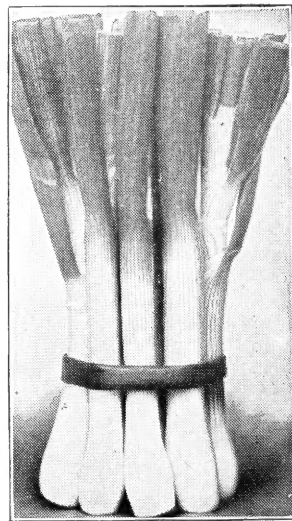
One of the most nutritious and healthful of vegetables.

White Lisbon. A bunching variety, grown for its very long, pure white stems; long standing, tender and of delicate flavor. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

Southport White Globe. 110 days. This variety yields abundantly, producing medium to large, fine shaped clear white bulbs. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.00.

Sweet Spanish. (Utah Strain.) 110 days. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Very mild, sweet flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.00.

White Portugal or Silver Skin. 100 days. The main variety used for producing white sets. Fine for pickles. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

**PARSLEY**

1 oz. sows 150 ft. of drill.

Double Curled. The best green curled. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.60.

Hamburg Edible Rooted. 90 days. Forms a short thick parsnip-like root used in flavoring soups, etc.. Leaves are also useful. Pkt., 10c; oz., 25c; ¼ lb., 75c.

PARSNIP

1 oz. for 100-ft. row, 5 lbs. per acre.

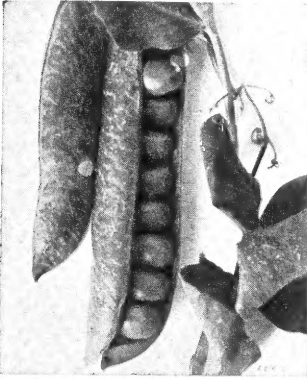
General culture for Parsnips is the same as for Beets.

Hollow Crown. 95 days. This is the most popular and best variety in cultivation. The skin is smooth and the flesh tender. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.50.

PEAS

1 lb. is enough for 100 ft. of row.

Peas, $\frac{1}{2}$ lb. or over wanted by Parcel Post, add postage.



Alaska-Ameer Mammoth Pod. The seed being smooth, it can be planted as early as any of the extra earlies. It is very prolific; pods of a rich dark green color. Vine about 30 inches high. Matures in about 56 days. Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Laxton's Progress. 62 days. The earliest of the large-podded dwarf Peas. Pods $4\frac{1}{2}$ inches long, containing 7 to 9 dark green Peas. 18 inches tall. Best for deep freezing. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.50.

Little Marvel. 63 days. A leading variety of wrinkle-seeded. Grows 18 inches high. Pods average 3 inches, well filled with 7 or 8 large, deep green Peas. Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 5 lbs., \$1.90.

RADISHES

1 oz., will sow 100 ft. of row.

Crimson Giant. 30 days. Roots scarlet, spherical. Largest early Radish which remains crisp the longest. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

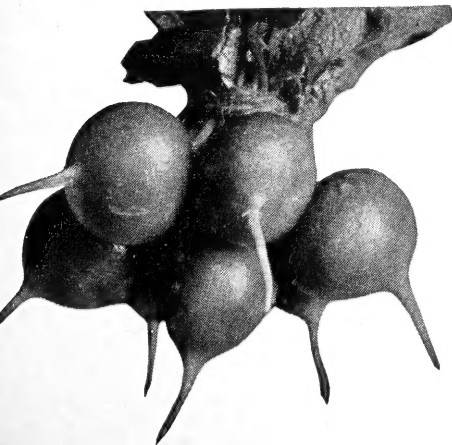
Ice. 35 days. A magnificent white variety. Grows $3\frac{1}{2}$ to 4 inches long. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

Scarlet Turnip White Tipped or Sparkler. Something extra fine, 23 days. The lower half is white, the upper half bright scarlet. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

Scarlet Globe. (Selected Stock.) 23 days. The interior of the root is pure white, mild, crisp and fine grained. Recommended for market garden or forcing. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50.

WINTER RADISHES

Rose-Colored China. Extremely solid and a most excellent keeping variety. Oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.



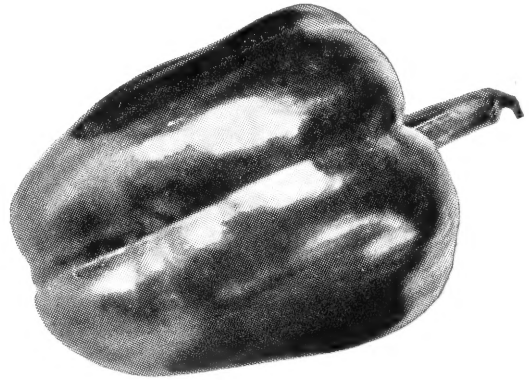
Round Black Spanish. Skin black, flesh white. A fine keeper. Oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

California White Mammoth. The best white Radish for late fall planting. Oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

PEPPER

1 oz. will produce 2000 plants.

Seed should be sown in a hotbed or in a shallow box in a warm place in the house, allowing 8 to 10 weeks to produce plants large enough to set outdoors.



Bell or Bull Nose. 65 days. An early sweet Pepper. Large, bright red, thick flesh. Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

California Wonder. 74 days. The standard of perfection among sweet Peppers, and the most popular sort. Excellent for all purposes. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; 1 lb., \$7.00.

Chinese Giant. 80 days. The giant among Peppers. Attractive. Size and mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.95.

Hungarian Wax. 60 days. Important canning variety early, hardy, prolific. Bears pendent and upright yellow hot fruits. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25.

King of the North or Ruby Giant. 60 days. The best early large Pepper. The fruits are large and color a brilliant red. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.90.

Long Red Cayenne. 70 days. Very hot, deep red fruits, $4\frac{1}{2}$ to 5 inches long. Excellent for pickling, drying or canning. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.00.

Pimiento. 73 days. The shape is distinctly conical, medium size. Color, when young, is a glossy green turning ruby-red when ripe. Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 65c; $\frac{1}{4}$ lb., \$2.00.

Red Chili. Bright red when ripe and are very hot or pungent. Used extensively for pepper sauces, pickling and drying. $2\frac{1}{2}$ inches long, $\frac{3}{8}$ inch in diameter. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 65c; $\frac{1}{4}$ lb., \$2.25.

Sweet Yellow or Banana. (60 days.) Probably the largest, earliest and sweetest of all yellow Peppers. It is Banana-shaped, averaging about 6 inches in length and 2 inches in diameter. Light yellow in color. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25.

PUMPKINS

Ounce will make about 20 hills.

Kentucky Field. 100 days. Standard large Pumpkin for canning and for stock feed. Oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.25.

Small Sugar. 100 days. Round, slightly ribbed fruits of medium size, about 7 in. in diameter. Best Pumpkin for general use; good keepers. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.50.

RHUBARB or PIE PLANT

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless. Oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.50.

Rhubarb Roots Available in March.
Strong Roots, each 20c; doz., \$2.25.

RUTABAGAS

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

SALSIFY

Often called "Oyster Plant" and is easily grown.

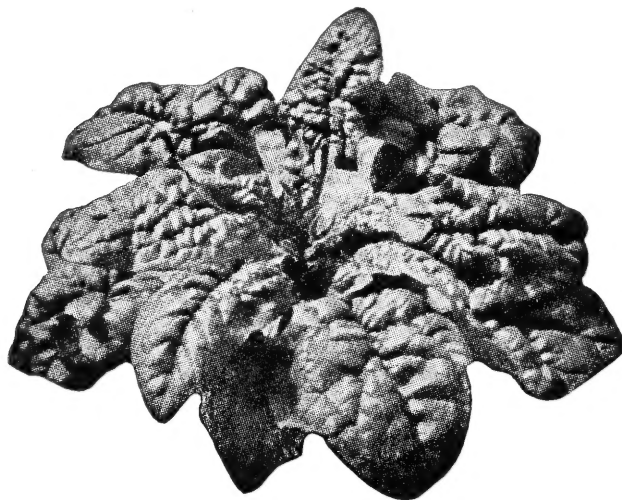
Sow in April in rows 18 inches apart, thinning out to 4 to 6 inches. Cultivate deeply and often.

Mammoth Sandwich Island. This variety is uniform in growth. The roots are of superior quality and most delicate flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

SPINACH

1 oz. to 30 or 35 ft. of drill.

Sow early in spring. Spinach is high on the list of health-giving and body-building vegetables. Grow more and eat more. It is essentially a spring and autumn crop.



Bloomsdale Spinach

Bloomsdale Long Standing. 45 days. An outstanding strain of the Savoy Leaved Spinach. Much in demand for home and market gardens. It is slow to run to seed. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c; 10 lbs., \$5.50.

WATERMELON

1 oz. for 20 hills; 3 to 4 pounds per acre.

Black Diamond. 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular variety.

Kleckley's Sweet. 95 days. This is considered the sweetest of the large melons. Particularly adapted for home garden.

Stone Mountain (or Dixie Belle). 110 days. Rich dark green in color with scarlet flesh that is exceptionally sweet.

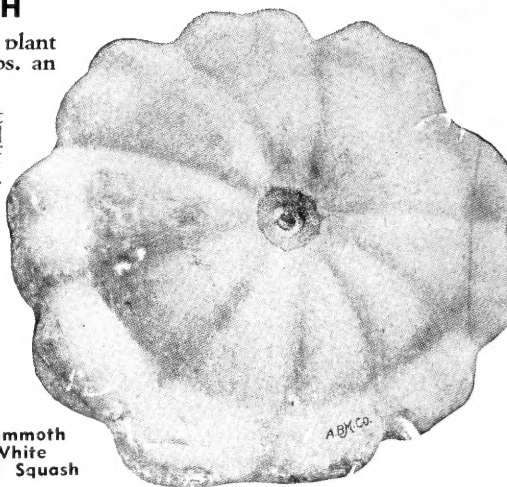
Tom Watson. 110 days. The rind is dark blue-green; the flesh is deep red and very sweet.

Above 4 varieties: Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

SQUASH

1 oz. will plant
20 hills; 2 lbs. an
acre.

Do not
plant until
all danger of
frost is over.



**Mammoth
White
Bush Squash**

Acorn or Table Queen. (60 days.) A unique winter Squash. Just the right size to cut in half (when it will bake in 20 minutes) and serve individually. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$1.85.

Early Prolific Straightneck Yellow. 50 days. Considered the most valuable and promising of all summer Squash. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$1.85.

Grav Zucchini. 60 days. When matured it is 18 inches long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

Mammoth White Bush. 54 days. Creamy white and scalloped around the edges; flesh is milk-white and of delicious flavor. Widely used for stewing or broiling. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$1.85.

Warted Hubbard. 110 days. Warted Hubbard Squash has been bred to the highest quality; fruits are large; skin rough, dark green; flesh bright orange, fine grained. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.00.

Yellow Summer Crookneck. 55 days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$1.85.

SWISS CHARD

Lucullus. 60 days. Large leaves are wrinkled, with thick midribs, tender and of good flavor. Large pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

TURNIPS

Ounce will sow
300 ft. of row.

Purple Top White Globe. Roots globular, smooth; bright purplish red above, white below. Flesh white, firm, fine grained and tender. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 10 lbs., \$7.50.

Seven Top, for Turnip Greens. A foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.



Purple Top White Globe Turnip

TOMATOES

1 oz. will produce about 1000 plants.

Tomatoes should be in every garden. It is quite simple to grow your own plants. Sow the seed in a hotbed, or in a shallow box in the house, allowing 6 to 8 weeks to produce plants large enough for setting outdoors when weather becomes warm.

TOMATO, F. HYBRID

Burpee Hybrid. An excellent, all-purpose main crop Tomato producing a high yield of firm, thick-walled fruit that averages 8 ozs. in weight. They are deep globular in shape. Pkt., 35c; $\frac{1}{4}$ oz., \$3.00; $\frac{1}{2}$ oz., \$5.00; 1 oz., \$10.00; 1 lb., \$18.00.

Burpee's Big Boy. Is very large, round; bright scarlet skin, solid flesh of best quality. Pkt., 50c; $\frac{1}{4}$ oz., \$6.00; $\frac{1}{2}$ oz., \$10.00; 1 oz., \$18.00.

Cornelicross 18-21 (Hybrid). True first generation (F₁) hybrid. Heavy yielding, very early and large fruited variety. The bright red fruits are smooth and round, large in size. 1-oz. sealed cans, \$12.00.

Bonny Best. 75 days. One of the most prolific of the early Tomatoes. Medium size, solid, bright red. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Break O' Day, Certified. Wilt resistant, 85 days. Vines vigorous and very productive. An early scarlet fruited variety. Medium to large size and globe-shaped. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.25.

Crimson Cushion or Beefsteak. 98 days. Late, red, very large. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Earliana, Certified. Very early—particularly valuable for home and early market garden. Medium size, deep scarlet. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$1.85; 1 lb., \$6.50.

Firesteel. 62 days. A small vine, large fruited Tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Greater Baltimore, Certified. The leading canning and juice Tomato. Noted for its deep red color throughout, ripens evenly over entire surface. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

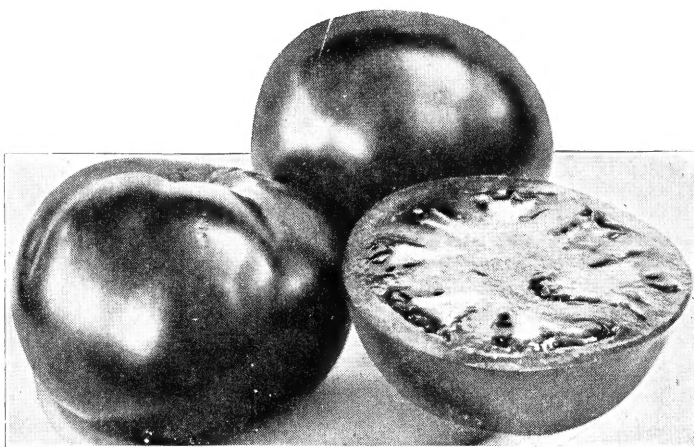
Grothen's Globe, Certified. A much improved type over Break O' Day. It is wilt resistant, produces large deep fruits of full red color. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; 1 lb., \$7.00.

Gulf State Market (Pink). An excellent shipping variety, also fine for market use. Has particularly heavy skin that is not inclined toward cracking. Our strain is unexcelled. $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$1.85; 1 lb., \$6.50.

Henderson's Winsall. Is very meaty, the entire fruit being edible, tender and delicious. Color bright pinkish red. Pkt., 25c; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$2.00; 1 oz., \$3.50.

Jubilee. 100 days. A new and truly different sort. Orange yellow in color, it is attractive for salads and juice. Especially recommended for the home garden. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Livingston's Globe, Certified. 85 days. A large, purplish pink, globe-shaped or very nearly round Tomato of excellent quality. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.25.



Marglobe, Certified. 85 days. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. The "Marglobe" has proven resistant to wilt. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Marhio. A wilt-resistant pink Marglobe. A popular variety for greenhouse forcing, market and home gardening use. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Michigan Forcing. Developed especially for growing under glass. A heavy producer of medium sized fruit. Pkt., 25c; $\frac{1}{2}$ oz., 60c; 1 oz., \$1.00.

Oxheart. 100 days. Different in shape from all others resembling a beef heart. The flavor of the pink fruit is mild. Pkt., 15c; $\frac{1}{2}$ oz., 45c; 1 oz., 85c; $\frac{1}{4}$ lb., \$3.25.

Ponderosa. 90 days. Extremely large; purplish pink, few seeds, mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 65c; $\frac{1}{4}$ lb., \$2.25.

Pritchard, Certified. (Scarlet Topper Certified.) 90 days. Fine all-round variety, heavy yielder; second early wilt-resistant; fruit solid. Pkt., 15c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Rutgers, Certified. 90 days. Desirable for market gardeners; bright red, smooth. This variety is highly popular with canners, home and market gardeners alike. A very strong grower with fruit slightly larger than Marglobe. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Stokesdale, Certified. 75 days. Early, suitable for shipping. Fruits uniform, deep scarlet; globe shape. Pkt., 15c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Stone Improved. Valuable for market and canning; heavy producer; deep scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

Valiant. 90 days. A new variety destined to replace Earliana. Vines are sparse and open and will produce a large crop. Fruits scarlet, large globe-shaped. $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

PICKLING or PRESERVING TOMATOES

Red Cherry. Used for preserving and pickling. Fruit small, round and deep red.

Yellow Plum. Fruits plum-shaped, clear yellow color.

Either above: Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c.

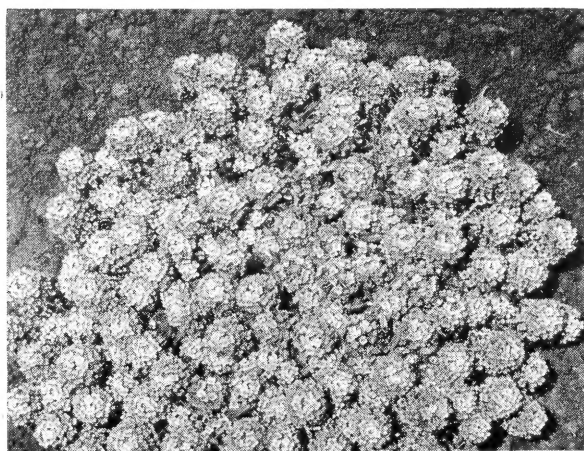
Selected Flower Seeds

AGERATUM, MEXICANUM

	Tr. pkt.	1/8 oz.
Blue Cap. 6 in. Dwarf, compact. True blue flowers. Very uniform	\$0.35	\$0.75
Blue Ball Improved. 6 to 8 in. Large flowered strain .....	.35	.65
Midget Blue. Fine dwarf, compact, rich blue	1/4 oz., \$1.70..	.45 .90

ALYSSUM (Perennial)

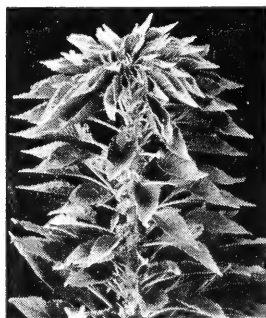
	Tr. pkt.	Oz.
Saxatile Compactum (Basket of Gold.) An indispensable plant for the rockery or border, growing 1 foot high and producing in May masses of broad, flat heads of bright yellow flowers.	1/4 oz., 35c	\$0.20 \$1.00



Alyssum

ALYSSUM

	Tr. pkt.	Oz.
Carpet of Snow. The best extra dwarf strain we know of	1/4 oz., 35c..	\$0.20 \$1.00
Little Gem. 6 inches. White, good even stock	1/4 oz., 35c..	.20 1.00
Royal Carpet. Purple in color like a tropical sea. Grows 4 to 6 in. high. Fine for edging for flower beds. 1/8 oz., \$1.25..	.45	4.50
Violet Queen. Bright violet, dwarf, compact, fine for bedding and borders ..	1/4 oz., 40c..	.30 1.35



Amaranthus Tricolor

AMARANTHUS

Tricolor (Joseph's Coat). 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Tr. pkt., \$0.25; 1/4 oz., \$0.45.

ANCHUSA

	Tr. pkt.	1/4 oz.
Blue Bird. Attractive deep Forget-Me-Not blue flowers. 18 in.	1 oz., \$1.25	\$0.25 \$0.35

ANCHUSA (Perennial)

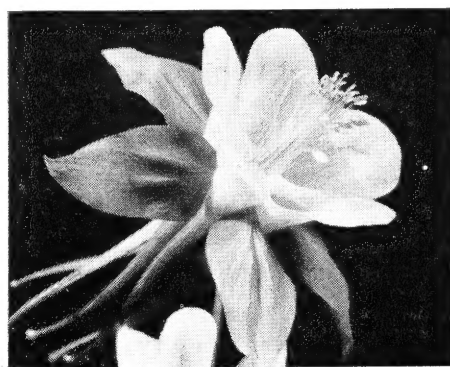
Myosotidiflora. A distinct dwarf species, 10 inches high, producing during April and May sprays of Forget-Me-Not blue flowers. Excellent for the rock garden. \$0.40 \$0.90

ANTHEMIS - Marguerite (Perennial)

Kelwayi. A most satisfactory hardy perennial bearing daisy-like, golden yellow blossoms; excellent for cutting \$0.30 \$0.50

AQUILEGIA - Columbine (Perennial) Long-Spurred Columbine

The plants are of strong, thrifty growth, with flowers of largest size, varying in color through tones of cream, pink, lavender, blue, white, red, etc.



Aquilegia, Long-Spurred Hybrid

	Tr. pkt.	1/4 oz.
Mrs. Scott Elliott's Hybrids. An excellent and popular long-spurred mixture....	1/8 oz., 75c..	\$0.35 \$1.25
Blue Shades. A very fine strain of light and dark blue shades	1/8 oz., 85c..	.40 1.50
Copper Queen. Copper-red and straw corolla	1/8 oz., 85c..	.40 1.50
Crimson Star. Crimson, the center white	1/8 oz., 85c..	.40 1.50
Orange and Scarlet Shades. Contains fine shades of orange-scarlet..	1/8 oz., 85c..	.40 1.50
Rose Queen. Pink shades, long spurs. 2 1/2 ft.	1/8 oz., 85c..	.40 1.50
Snow Queen. 18 in. Finest pure white variety	1/8 oz., 85c..	.40 1.50

ARABIS - Rock Cress (Perennial)

Snow Cap. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears \$0.35 \$0.75

ARMERIA - Sea Pink; Thrift (Perennial)

Formosa hybrida. Heads of rosy pink flowers. Useful for edging or rockery. \$0.35 \$0.75

ASPARAGUS

	250 seeds	1000 seeds
Carefully harvested, hand-picked, plump, well-matured seed.		
Plumosus	\$0.75	\$2.50
Sprengeri .....	.70	2.50

ANTIRRHINUM or SNAPDRAGON

SNAPS for Greenhouse Forcing

Originator's NEW HYBRID SNAPS

BRONZE

Tr. Pkt.

- Barbara** (Yoder). Hybrid bronze, pink throat and bright bronze lip. Early\$3.00
- Cavalcade** (Yoder Bros.) Lively golden bronze, long spikes. 3.00
- Gallant Fox** (Yoder Bros.). Deep orange-bronze, early 3.00
- Jubilee**. An early hybrid, light apricot-bronze 3.00

PINK and ROSE

- Chevy Chase Pink** (New—Winkler). Shatter-proof pink; a shade darker than Maryland Pink. Close, full spike. 1/2 tr. pkt., \$2.00.. 3.50
- Christina** (Yoder). Color midway between Mary Ellen and Dorcas Jane with larger and more closely spaced florets ... 3.00
- Christmas Cheer** (Windmiller). Bright pink. Best for December crop, excellent stem and spike. Very productive 3.00
- Crusader** (Yoder Bros.). Light rose-pink similar to Dorcas Jane. Early 3.00
- Dorcas Jane** (Dorcas). Rose-pink, slightly larger and a shade deeper than Mary Ellen. Early 2.50
- Libby** (Yoder). Dark rose-pink hybrid with very strong stems and vigorous growth. It is a second early flowering. 1/2 tr. pkt., \$1.75.. 3.00
- Mary Ellen** (Yoder). A light rose-pink 2.50
- Maryland Pink Improved** (Winkler). Hybrid. The improved strain of this popular pastel pink hybrid. 1/2 tr. pkt., \$2.00.. 3.50
- New Times**. (Pan American). The best early, bright deep rose thus far. Medium long spikes with clean, firm stems. A good producer 1/2 tr. pkt., \$1.75.. 3.00
- Pensive** (Yoder Bros.). Deep rose-pink, flowers just after Christmas Cheer 3.00
- Star Charter** (Yoder Bros.). Rose-pink, similar to Christina, vigorous growth, good keeper 3.00
- Whirlaway** (Yoder Bros.). Large light pink, long spike, medium early 3.00

RED

- Better Times** (Windmiller). Early rich rose-red 2.00
- Priscilla Ann** (Yoder). Hybrid. Long graceful spikes with large velvety crimson florets. At times a faint touch of yellow is noted on the lip. The earliest crimson 3.00
- Navajo** (Ball Hybrid No. 8). Midseason. Best red 3.50

WHITE

Tr. Pkt.

- Apollo** (Yoder Bros.). Large flowered ivory-white more vigorous than Margaret, otherwise very similar to that variety.\$3.00
- Jet Pilot** (Yoder Bros.). A medium early paper-white. Long spikes, similar to White Wonder in form; much greater vigor 3.00
- Maryland White** (Winkler). Hybrid. Large paper-white florets on strong stem. Early and free-flowering. 1/2 tr. pkt., \$2.00 3.50
- Snowman** (Ball). Pure white, early 3.50
- Twenty Grand** (Yoder Bros.). Early winter-flowering ivory-white, fine keeping qualities 3.00

YELLOW

- Ball Yellow Hybrid No. 1**. Yellow 3.50
- Day Star** (Yoder Bros.). Long spikes, very early yellow ... 3.00
- Goldrush** (Winkler). Hybrid. The large florets are deep ion-quil-yellow, slightly ruffled, producing a long, well filled spike 1/2 tr. pkt., \$2.00.. 3.50
- Patricia** (Yoder). Deep yellow hybrid with Margaret characteristics of form and growth 1/2 tr. pkt., \$1.75.. 3.00
- War Admiral** (Yoder Bros.). Outstanding winter-flowering yellow 3.00

SELF-POLLINATED VARIETIES

- Cheviot Maid Supreme**. Best early clear rose-pink 1.00
- Delworth's Supreme**. Strong stems, deep rose-pink 1.50
- Ethel**. Large, bright yellow flower 1.50
- Lucky Strike**. Best white medium early 1.00
- Margaret** (Yoder). The most popular winter-blooming ivory-white. The stem is exceptionally stiff 2.00
- Peggy Schumann Pink**. A large close-flowering spike on a strong, sturdy stem 2.00
- St. Louis Pink** (Rowe). Beautiful silvery pink 1.50
- Schumann's Lavender**. Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes 2.00
- Schumann's Velvet Red**. A true dark red-violet 3.00
- Talisman**. Improved early, all-double, bronze 2.00
- Velvet Beauty**. Scarlet-crimson with velvety texture 1.00
- Windmiller's Lilac**. Excellent orchid, true to type and color, hard wiry stems, small foliage, productive 2.00
- Greenhouse Varieties, Mixed**. A good mixture 1.00

ANTIRRHINUM or SNAPDRAGON

OUTDOOR GARDEN VARIETIES

ANTIRRHINUM

Tetraploid or Spring Flowering

These are the finest Snapdragons available for either cutting or bedding. Their Tetraploid blood strains produce long, tapering spikes with evenly spaced, immense, ruffled florets.

- Tetra Pink Shades**. Pink to deep rose.
- Tetra Orchid**. Purple with yellow blotch.
- Tetra Yellow**. Golden yellow.
- Tetra White**. Pure white.
- Tr. pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.85.
- Tetra Ruffled Mixed**. A fine mixture of all colors.
- Tr. pkt., 35c; 1/16 oz., 60c; 1/8 oz., \$1.00.

ANTIRRHINUM

Maximum or Super Giants

Rust-Resistant. 2 3/4 feet.

In habit these are taller than the Majestic group and the individual flowers are much larger. Fine for cutting.

- Campfire**. Luminous scarlet.
- Canary Bird**. Canary-yellow.
- Copper Queen**. A real true copper-scarlet.
- Crimson King**. Fiery crimson.
- Loveliness**. Soft rose-pink.
- Paradise Rose**. Rose-pink.



Red Cross. Crimson, white tube.

Shasta. Pure white.

Yellow Giant. Deep yellow.

Maximum Mixed.

University of California Improved Mixed. 30 in. Excellent for cutting.

Prices on the above varieties:

Each: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 85c.

ANTIRRHINUM

Super Majestic

Rust-Resistant. 20 in.

A medium tall class of base branching plants with heavy compact spikes of large blooms. Excellent for both garden and cut flowers.

Alaska. White.

Autumn Glow. Amber and gold.

Rose Beauty. Deep rose.

Eldorado. Deep yellow.

DuBarry. Flaming salmon-rose.

Garnet. Rich velvety crimson

Indian Girl. Old gold.

Red Rocket. Bright red.

Rose Sensation. Rose-pink.

Wild Fire. Bright orange-scarlet.

Super Majestic Mixed.

Prices on above:

Each: Tr. pkt., 30c; 1/8 oz., 50c; 1/4 oz., 95c.

ASTERS - WILT-RESISTING

10,000 Seeds per oz.

IMBRICATED POMPONS

Small, rounded flowers produced on upright growing, compact plants about 15 inches tall. Excellent for pot plants.

Mixture of all colors. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

Queen of the Market

Wilt-Resistant

A very popular early flowering type. Branching freely near the ground, about 20 inches tall. Produces nearly round fully double blooms in early August.

	Tr. pkt.	¼ oz.	Oz.
Azure-Blue	\$0.40	\$0.75	\$2.25
Ballet Queen. Salmon-rose .....	.40	.75	2.25
Dark Blue .....	.40	.75	2.25
Flesh-Pink .....	.40	.75	2.25
Light Blue. Medium blue .....	.40	.75	2.25
Rose. Soft rose .....	.40	.75	2.25
Scarlet .....	.40	.75	2.25
White .....	.40	.75	2.25
Finest Mixed .....	.35	.65	2.00

Early Royal

Wilt Resistant, 2 feet

Blooms mid-July, directly following the Queen of the Markets.

	Tr. pkt.	¼ oz.	Oz.
Azure-Blue or Dark Lavender ..	\$0.40	\$0.75	\$2.25
Deep Rose. Taller .....	.40	.75	2.25
Purple. Deep purple .....	.40	.75	2.25
Shell-Pink .....	.40	.75	2.25
White .....	.40	.75	2.25
Finest Mixed .....	.35	.65	2.00

Little Giants (MacDonald)

Wilt Resistant

Masses of blooms of feathery Crego type averaging 4 inches across, are produced at one time. Plants make perfect mounds 12 inches high. Early flowering. Ideal for borders and bedding. Suitable for pots.

Azure Fairy. Lavender.

Rosamond. Soft rose.

White Mound. Pure white.

Finest Mixed

Tr. pkt., 45c; ¼ oz., 90c; oz., \$3.25.

Giant Crego Improved (Incurved)

Wilt Resistant. 2½ feet

Twisted and curled petals. Flowers of good size.

	Tr. pkt.	¼ oz.	Oz.
Azure-Blue	\$0.40	\$0.75	\$2.25
Blue Flame. Bright navy-blue ...	.40	.75	2.25
Crimson .....	.40	.75	2.25
Deep Rose. Bright rose .....	.40	.75	2.25
Light Blue .....	.40	.75	2.25
Pink. Shell-pink .....	.40	.75	2.25
Purple or Dark Blue .....	.40	.75	2.25
White .....	.40	.75	2.25
Finest Mixed .....	.35	.65	2.00



Princess Asters

PRINCESS WILT RESISTANT

Very attractive cutting type for florists. Plants 2' - 2½' tall, branching habit, bearing quantities of 3" - 3½" flowers on strong stems. Flowers have full crested center, surrounded by several rows of guard petals. Blooms in late August.

Anne. Peach blossom.

Margaret. Florist rose.

Bonnie. Salmon-pink.

Linda. Clear light rose.

Elizabeth. Pure white.

Princess Mixed. Choice mixture.

Tr. pkt., 45c; ¼ oz., 85c; 1 oz., \$3.00.

American Branching Wilt Resistant

Plants 2½ to 3 feet tall, branching, robust, flowers large, double and fine form. Flowers late August and early September.

	Tr. pkt.	¼ oz.	Oz.
Azure-Blue or Dark Lavender ..	\$0.40	\$0.75	\$2.25
Crimson .....	.40	.75	2.25
Peerless Pink .....	.40	.75	2.25
Purple .....	.40	.75	2.25
Rose .....	.40	.75	2.25
White .....	.40	.75	2.25
Mixed Colors .....	.35	.65	2.00

Heart of France

Brilliant Red. Blooms about Tr. pkt. ¼ oz. Oz.

August 15th. Generally con-

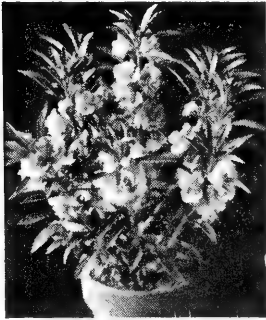
sidered the best red Aster \$0.40 \$0.75 \$2.50

Super Giant

Wilt Resistant

The long-awaited wilt resistant strain of true giant ostrich-feathered flowers with long heavy non-lateral stems, borne on plants 3 feet high. Blooms last summer to frost. The best giant Aster.

	Tr. pkt.	¼ oz.	Oz.
Beverly Hills. Azure-blue	\$0.45	\$0.90	\$3.25
Hollywood. Pure paper-white ...	.45	.90	3.25
Los Angeles. Shell-pink			Crop failed
Finest Mixed. Full mixture of all colors .....	.40	.85	3.00



Balsam

BALSAM

Makes fine flowering plants in small pots for spring sales from Jan. sowing.

Double Rose-Flowering. Tr. pkt., 25c; ¼ oz., 40c.
Camellia-flowered Mixture, Tr. pkt., 25c; ¼ oz., 40c.
Bush-Flowering Rose. Tr. pkt., 35c; ¼ oz., 60c.
Bush-Flowering Mixed. Tr. pkt., 35c; ¼ oz., 60c.

BEGONIA

Among the best bedding plants for semi-shady positions and equally valuable for house culture and pots.

Fibrous Rooted

Tr. pkt.

Adeline. Dwarf bright pink with green foliage ..\$1.25
Ball Red. Bright scarlet-red flowers. Fairly dwarf. 1.25
Pink Pearl. Dwarf rich pink, one of the best for pot culture. Originator's seed 1.50
Red Pearl. Dwarf, brilliant dark scarlet. Originator's seed 1.50
Indian Maid. Scarlet-bronze foliage 1.25
Luminosa. Deep scarlet with reddish foliage 1.25
Prima Donna. Fine pink 1.25
White Pearl. Pure white 1.25

GREEN BELLFLOWER

Bell of Ireland. Graceful 2-ft. branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined. Tr. pkt., 35c; ¼ oz., 60c; ¼ oz., \$1.00; oz., \$3.50.

BELLIS PERENNIS - Double English Daisy

This popular Double English Daisy is much used for spring and early summer bedding.

Monstrosa Gigantea. Red, Rose, White, Mixed. Tr. pkt., 40c; ¼ oz., 60c; ¼ oz., \$1.00.

BROWALLIA

Speciosa Major Blue. A very free flowering plant for indoor blooming. Flowers the size of large single Violets and a rich deep blue. Sow in early fall and give Carnation temperature. Tr. pkt., \$1.00.

CALCEOLARIAS

Excellent and easily grown pot plants for a reasonably priced showy item for Easter and Mother's Day. Best sown in pans in light soil during July and August. Multiflora (Triumph Strain). The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. Tr. pkt., \$1.25.

Multiflora Nana Mixture. Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The dwarf plants are wiry in growth with small durable leaves. Tr. pkt., \$1.25.

CALENDULA

Calendula are easily grown in a cool house. A mid-winter temperature of 45 degrees at night is best.

Ball's Gold Improved. Deep golden yellow.
Ball's Lemon Queen. Clear yellow, dark center.
Ball's Masterpiece. Long stemmed orange, dark center.
Ball's Improved Long Orange. Clear orange.
Sensation Improved. Long stems, brilliant orange.
Prices of the above: Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50.

Orange King. Rich deep orange-red, dark center, medium; fine for pots and bedding. Tr. pkt., 25c; ½ oz., 50c.

CALLIOPSIS

Gold Crest. Produces large, semi-double, golden yellow flowers with reddish brown eyes. Tr. pkt., 25c; ¼ oz., 40c.

CAMPANULA MEDIUM - Canterbury Bells

CALYCANTHEMA (Cup and Saucer)

Similar to Single Canterbury Bells but with a large calyx which is the same color as the cup shaped corolla. Blooms in June. 2 ft. Tr. pkt. ¼ oz.

Dark Blue	\$0.35	\$0.65
Light Blue .....	.35	.65
Rose .....	.35	.65
White .....	.35	.65
Choice Mixed. Extra fine .....	.30	.55

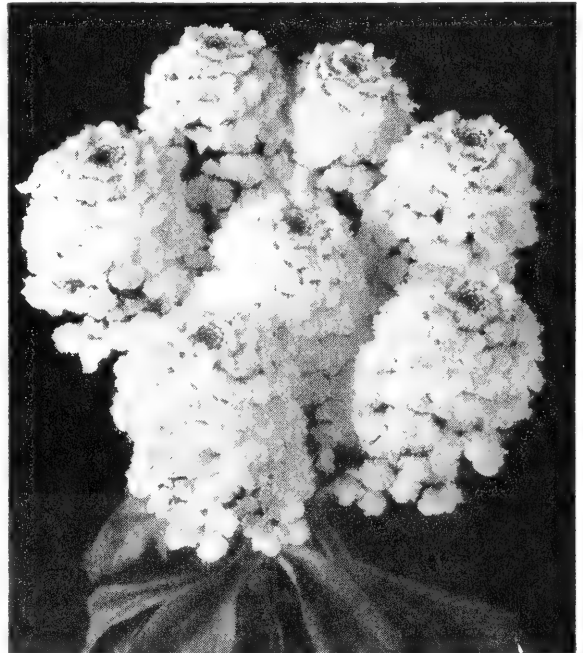
CANDYTUFT

Tr. pkt. Oz.

Giant Hyacinth Flowered White, Extra

Select. This is a very superior strain; it grows about 1½ feet high, with enormous trusses of blooms

..... ¼ lb., \$3.00; lb., \$10.50. \$0.25 \$1.00



Candytuft, Giant Hyacinth Flowered

CANDYTUFT, PERENNIAL - Iberis

Tr. pkt. ¼ oz.

Gibraltarica. Lilac, shading to white.....	\$0.25	\$0.50
Sempervirens. White, 1 ft. ¼ oz., 75c	.40	1.25

CANDYTUFT, UMBELLATA

A popular spring cut flower.

	Tr. pkt.	Oz.	¼ lb.
Flesh-Pink	\$0.25	\$0.75	\$2.25
Lavender .....	.25	.75	2.25
Rose Cardinal .....	.25	.75	2.25
White .....	.25	.75	2.25
Fine Mixed. All varieties .....	.25	.65	2.00

CARNATION, GRENADIN

(Perennial)

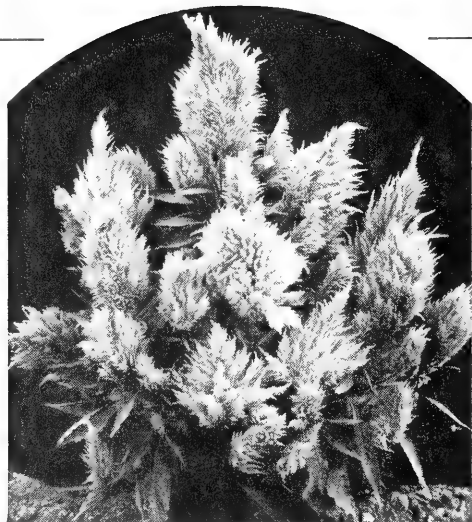
A hardy type which is excellent for cutting. 2 ft.

	Tr. pkt.	⅛ oz.	¼ oz.
Cardinal-Red	\$0.35	\$0.75	\$1.35
Snow-White .....	.35	.75	1.35
Triumph Deep Pink .....	.35	.75	1.35
Grenadin Mixed .....	.30	.65	1.25

CARNATION, CHABAUD'S GIANT

These Carnations come into bloom five months from time seed is planted and continue to bloom throughout the summer.

	Tr. pkt.	⅛ oz.	¼ oz.
Mixed	\$0.35	\$0.65	\$1.25



Dwarf Feathered Celosia

CELOSIA, DWARF Lilliput or Dwarf Feathered

Dwarf, compact plants, often producing from 15 to 20 branches, each tipped with brilliant silky plumes. Makes an imposing display in beds, borders, edgings, pots and boxes. A great bloomer. 1 ft. tall.

	Tr. pkt.	1/8 oz.
Dwarf Fire Feather	\$.035	\$.075
Dwarf Golden Feather .....	.35	.75
Dwarf Feather Mixture .....	.35	.75

CELOSIA, CRISTATA (Cockscomb)

Cristata. The popular Cockscomb type. The taller varieties provide good cut flowers in either the fresh or dried state, while the dwarf kinds make nice pot plants in summer.

Dwarf Cockscomb. For beds, borders and pots.

Empress. Bright red; dark foliage.

Glasgow Prize (Pres. Thiers). Dark crimson; green foliage.

Finest Mixed. All colors with dark and light foliage. The above: Tr. pkt., 35c; 1/4 oz., 75c.

CELOSIA (Cockscomb) TALL

Royal Velvet. A uniform strain of semi-tall "cockscomb" Celosia. Crimson combs borne well above foliage on 24- to 30-in. stems. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$3.00.

Tall Mixture. 40 in. Mixture of all colors in the tall class. Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.50.

CELOSIA (Plume Type) TALL

The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects in poor soil and hot climates.

Scarlet Plume. 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.50.

Golden Plume. Tall. Same as above except a rich golden yellow. Tr. pkt., 35c; 1/4 oz., 75c; oz., \$2.50.

Golden Fleece. The clear golden yellow feathery spikes are carried on good stems, giving a magnificent airy appearance. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Pampas Plume. Giant-flowered strain in hitherto-unknown bronze, copper, gold and sunset shades. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Thompsoni Magnifica Finest Mixed. A fine even strain of this popular tall growing variety. Contains strikingly brilliant reds and yellows with some copper and gold shades. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.50.

CENTAUREA, WHITE-LEAVED

(Dusty Miller) For borders, vases, baskets.

	Tr. pkt.	1/4 oz.
Candidissima. 6 in. Silver-gray foliage ..	\$.040	\$.095
Gymnocarpa. 24 in. Fine, silvery foliage ..	.25	.50
Diamond. White leaved .....	.25	.50

CENTAUREA CYANUS, DOUBLE

(Cornflower or Bachelor's Button). 3 ft.

	Tr. pkt.	Oz.	Lb.
Blue Boy. Finest blue	\$.020	\$.65	\$7.50
Pinkie. Fine deep pink .....	.20	.65	7.50
Red Boy. Deep carmine-rose ....	.20	.65	7.50
Snow Man. White .....	.20	.65	7.50
Double Finest Mixed .....	.20	.60	6.50

CERASTIUM

Tr. pkt. 1/4 oz.

Tomentosum (Snow-in-Summer). Silvery white foliage. White flowers. 16 in. ..\$.030 \$0.60

CHEIRANTHUS - Wallflower

Tr. pkt. 1/4 oz.

Golden Bedder. Deep yellow \$.020 | \$.035 || **Allioni.** Brilliant orange | .20 | .35 |

CINERARIA HYBRIDA

Splendid plants for winter and spring house decoration. Rich in shades of blue, carmine, pink, white, etc.; many combinations. Tr. pkt.

Cremer's Improved Prize Strain. This excellent strain contains a full range of colors. Very large heads. Plants semi-dwarf habit with small foliage \$1.50 |

Siter Rainbow Strain. Remarkable for its wide range of color and especially rich in blue shades. 2.00

Siter's Hybrid. Attractive light-eyed strain. Medium large flowers, compact growth with small foliage. Originator's pkts. Sold out. New crop seed ready in August

CLARKIA ELEGANS DOUBLE

2 feet. Sow in January, grow on in a flat or shallow raised bed. Must be run dry and not fed during growing season. Tr. pkt. 1/4 oz.

Finest Mixed \$.025 | \$.050 |

CLEOME - Spider Plant 4 feet tall.

Tr. pkt. 1/4 oz.

Helen Campbell. Pure white sport of popular Pink Queen \$.030 | \$.050 |

Pink Queen. Color a refreshing pink. Foliage of beautifully airy appearance.. .35 | .60 |

COLEUS

Brilliantly colored foliage plants for beds, borders, pots or edging. Easy to grow from seed. Tr. pkt.

Large Leaved Hybrids. Seed saved from newest and finest large leaved varieties \$1.00 |

Rainbow Mixed. An excellent selection, highly colored 1.00 |

COREOPSIS GRANDIFLORA (Perennial)

Very good cut flower. Tr. pkt. 1/4 oz. 1 oz.

Double Sunburst. Fully double golden yellow \$.020 | \$.045 | \$1.50 |

Mayfield Giant. Extra large deep golden yellow. Single20 | .40 | 1.25 |

COSMOS, SINGLE SENSATION

The most satisfactory class of Cosmos to grow for cut-flower purposes. Extra large flowers and extreme earliness make them suitable for growing outdoors.

Cardinal. Crimson. **Purity.** Pure white. **Pinkie.** Light pink. **Radiance.** Bi-colored rose.

Sensation Mixed.

Tr. pkt., 25c; 1/4 oz., 50c; oz., \$1.75.

Fiesta. This is an annual Klondyke Cosmos, with extra petals and the first bi-colored flower of this kind. Orange petals are flashed or striped with scarlet. Pkt., 35c; 1/4 oz., 65c.

CUPHEA

Tr. pkt.

Firefly. A very attractive spring pot plant that may be planted out for bedding and border work. Height 12 in. and covered with small bright scarlet flowers throughout the summer. **\$.035**

CYCLAMEN GIGANTEUM**FAMOUS BINNEWIES STRAIN**

All seeds are packed in original Binnewies sealed packages.

	Per 100	Per 1000
No. 1. Dark Blood-red	\$1.85	\$16.00
No. 2. Bright Red	1.85	16.00
No. 3. Pure Rose	1.85	16.00
No. 5. White with carmine eye	1.85	16.00
No. 6. Pure White	1.85	16.00
No. 7. Bonfire. Brilliant salmon	2.25	20.00
No. 8. Salmon-Scarlet (America Improved)	2.25	20.00
No. 9. New Salmon-Rose Improved .	2.25	20.00
No. 10. Salmon Color Dark (Perle of Zehlendorf)	1.85	16.00
No. 11. Salmon Color light (Rose of Zehlendorf)	1.85	16.00
No. 15 Saffron Red, silver edge	2.25	20.00
No. 24 Mixed Varieties	1.85	16.00

CYNOGLOSSUM - Chinese Forget-Me-Not

Tr. pkt. ¼ oz.

Firmament. A dwarf (15 inches) selection from the original blue strain; rich blue, even habit Oz., \$1.50. **\$.025 \$0.45**

DAHLIA

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors. Because of the wide variation in colors and types, seedling Dahlias are interesting to grow and tubers may be saved from the choicest specimens.

Tr. pkt. ¼ oz.

Unwin's Dwarf Hybrids. Double and semi-double types. Very even habit, 18 inches, with an attractive bright color range 1 oz., \$2.25. **\$.035 \$0.75**



Dahlias,
Unwin's Dwarf Hybrids



Delphinium, Pacific Giants

**DAISY—SHASTA
CHRYSANTHEMUM MAXIMUM**

(Perennial)

Shasta Alaska. The most popular of all. Very large, pure white flowers with small yellow centers. 2½ ft. Tr. pkt., 20c; ¼ oz., 45c; oz., \$1.50.

Double Shasta Alaska. A fine double cut flower variety, about 70% double. Tr. pkt., 50c.

DELPHINIUM (Perennial)

Belladonna Type

Delphiniums are among the most beautiful and most widely used perennials for garden display and cutting. The regal stateliness of their massive, colorful spikes is unequalled by any other flower. They are of easy culture, succeeding best in deep, rich, well drained soil. Bloom in June.

Belladonna Improved. Light blue, large flowered and a strong grower. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.00; ¼ lb., \$11.00.

Bellamosum Improved. Extra select, dark blue, large flowers. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.00; ¼ lb., \$11.00.

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.00.

Wrexham or Hollyhock Strain. Extra large tapering spikes. Tr. Pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.50.



Delphinium,
Hollyhock Strain

DELPHINIUM PACIFIC GIANTS

Remarkable strain developed by Vetterle and Reinelt. Flowers extremely well formed. The flowers are of immense size, well formed, 2½ to 3½ inch diameter, symmetrically spaced on well balanced spikes, practically 100 per cent double. This strain is comparatively mildew resistant, and is a fine cut flower item.

Astolat Series. An entirely new Giant Pacific Hybrid varying in color from pale blush through lilac-pink to deep raspberry-rose. Large brown, fawn and black bees. Tr. pkt., \$1.25; ¼ oz., \$2.50; ¼ oz., \$4.50.

Black Knight Series. The darkest of them all.

Blue Bird. A clear medium blue with huge tall spikes.

Bluejay Series. The color is clear medium to dark blue.

Cameliard Series. A pure lavender self, with white bee.

Galahad Series. Finest white of enormous size.

Guinevere. Light pink-lavender with white bee.

King Arthur. Brilliant royal velvet with large white bee.

Round Table Series. Finest mixed.

Summer Skies. Light blue with white bee.

Prices of above varieties:

Tr. pkt., \$1.25; ¼ oz., \$2.50; ¼ oz., \$4.25; oz., \$16.00.

DIANTHUS - Pinks (Annual)

Brilliantly colored, sweet scented flowers for beds, borders, rock gardens, edgings and cutting. Plants grow about 1 ft. tall.

	Tr. pkt.	1/4 oz.	Oz.
Chinensis, Double. Choice mixed.	\$0.25	\$0.50	\$1.50
Chinensis, Single. Choice mixed.	.25	.50	1.50
Fireball, Double dark scarlet . . . .	.30	.60	2.00
Heddewigi, Double. Choice mixed.	.25	.45	1.50
Heddewigi, Single. Choice mixed.	.25	.45	1.50
Sweet Wivelsfield. The plants grow 12 inches high, showy blooms of pink and crimson . .	.30	50	1.50
Westwood Beauty. A new single red Dianthus with long stems. .	.30	.60	2.00



Dianthus, Double Heddewigi

DIANTHUS (Perennial)**Dianthus Plumarius - Grass or Clove Pinks**

	Tr. pkt.	1/8 oz.	1/4 oz.
Cyclops, Single Perpetual. Various colors, red eye	\$0.35	\$0.50	\$0.90
Spring Beauty. Double giant-flowered Carnation-like in form and with a beautiful color . . . . .	.40	.75	1.25
Scoticus Double Special Florist Strain. Self colors of various tints of pink, rose, salmon and white, and the combination of these colors with bright crimson zones. Free flowering. 12-15 inch stems . . . . .	.40	.85	1.50
Winteri, Mixed Colors. A new strain of large, single, brightly zoned flowers on stiff stems. 1 ft.	.40	.90	1.75

Dianthus - Pinks for Rock Garden

	Tr. pkt.	1/8 oz.	1/4 oz.
Allwoodi alpinus. Flowers first year from seed. 4 to 6 inches high; mixed colors	\$0.40	\$0.75	\$1.25
Caesius (Cheddar Pink). A dwarf tufted variety. Rose-pink . . . .	.20	.35	.75
Deltoides Brilliant. Rich rose-pink.	.40	.85	1.50

DIDISCUS

	Tr. pkt.
Coeruleus. Blue Lace Flower	\$0.25

DIGITALIS - Foxglove

	Tr. pkt.	1/8 oz.
Giant Shirley Mixed. A greatly improved strain of unusually strong, vigorous growth. Enormous spikes 3 to 5 feet in length set with very large flowers. . . .	\$0.25	\$0.50

DRACAENA

Indivisa. Narrow green leaves. The popular kind for bedding or vases. Tr. pkt., 25c; 1/2 oz., 75c.

ESCHSCHOLTZIA (California Poppy)

Choice Mixture. A mixture of dwarf erect varieties containing many new colors. Tr. pkt., 20c; 1/4 oz., 45c; oz., \$1.75.

FEVERFEW - Matricaria

While generally raised from cuttings, nice stock can be grown from seed and it makes an excellent cut flower.

Ball's Double White. Extra. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Dwarf Double Golden Ball. Tr. pkt., 30c; 1/8 oz., 75c.

FORGET-ME-NOT - Myosotis

	(Biennial)	Tr. pkt.	1/8 oz.
Alpestris, Victoria Rosea. Rose	\$0.35	\$0.75	
Alpestris, Victoria. Azure-blue . . . . .	.35	.75	
Royal Blue (Indigo-blue). 12 in. . . . .	.35	.75	
Ruth Fisher. Extra fine, upright growing, free-blooming, rich color . . . . .	.40	1.00	
Oblongata, Blue Bird. Large deep blue flowers 3 to 4 months after sowing; height 1 ft. . . . .	.35	.60	

FOUR O'CLOCK

	Pkt.	Oz.
Marvel of Peru, Mixed	\$0.20	\$1.00

GAILLARDIA GRANDIFLORA

	(Perennial)	Tr. pkt.	Oz.
Burgundy. Self-colored wine-red, 2 1/2 in. in diameter, on long stiff stems, from June until fall	1/4 oz., \$0.75	\$0.35	\$2.50
Dazzler. Large flowers, bright golden yellow, with rich maroon-red center. 3 ft.	1/4 oz., 65c	.35	2.00
Goblin. Very compact globular plants, red and yellow bi-color	1/4 oz., 75c	.35	2.50
Portola Hybrids. The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2 1/2 to 3 ft.	1/4 oz., 65c	.30	2.00

GAILLARDIA PICTA

	(Annual)	Tr. pkt.	Oz.
Lorenziana Double Choice Mixed	1/4 oz., 40c	\$0.25	\$1.50

GEUM (Perennial)

Lady Stratheden. Double golden yellow. Tr. pkt., 35c; 1/4 oz., 75c.	
Mrs. Bradshaw. Double fiery orange-red. Tr. pkt., 35c; 1/4 oz., 75c.	

GOURDS, ORNAMENTAL

Decorative Varieties, Mixed. 1/4 oz., 25c; oz., 90c.

GOMPHRENA - Globe Amaranth

An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates. Mixture of colors. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

GREVILLEA

Robusta (Australian Silk Oak). Popular for specimen or combination work. Tr. pkt., 40c; 1/4 oz., \$1.00.

GYPSOPHILA ELEGANS

These are always in demand for mixing with other cut flowers.

Covent Garden Market Reselected. 2 ft. An improved giant pure white. Tr. pkt., 15c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.75.

Grandiflora Alba, London Market. The largest flowered pure white Gypsophila. Tr. pkt., 15c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.75.

GYPSOPHILA - Baby's Breath

(Perennial)

Paniculata. Small, white flowers about 50 per cent double. An excellent strain for drying. Tr. pkt., 40c; ½ oz., 85c.

Repens. Dwarf creeping type excellent for rock garden. Rose, White. Tr. pkt., 35c; ½ oz., 75c.

HELICHRYSUM

The popular double Strawflower.

Choice Mixed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

HELIOTROPE

Blue Bonnet. Very fragrant, early, dark blue. Tr. pkt., 35c; ½ oz., 50c.

HEUCHERA - Coralbells

(Perennial)

Sanguinea Hybrids. Mixed colors. Tr. pkt., 50c.

Sanguinea Spitfire. Large rich scarlet. Tr. pkt., 50c.

ANNUAL LARKSPUR

Larkspur seed may be sown directly in the open in the fall; outdoor sowing in September will give the best blooms in the spring, however if sown as early in the spring as the ground can be worked, fine spikes may be obtained.

Under Glass—Spring Flowering. For indoor growing, Larkspur is a nice crop to follow late Mums. Well started 3-inch banded or potted plants should be ready, and are produced by a December sowing.

SUPREME LARKSPUR**The Ideal Cut Flower Strain**

This is by far the most desirable and florists' favorite because of its especially clear colors, uniformity in height, and long well filled flowering spikes, closely covered with fully double flowers and large individual florets.

Dark Blue Supreme. A truly fine rich violet-purple.

Lilac Supreme. A pleasing shade of clear lilac.

Rose Supreme. A clear, pure deep rose.

Salmon Supreme. A true shade of real salmon.

White Supreme. A fine white Larkspur.

Supreme Mixture.

Prices of the above varieties:

Tr. pkt., 35c; 1 oz., \$1.25; ¼ lb., \$4.50; lb., \$16.00.

LARKSPUR REGAL STRAIN

Tremendously long spikes of huge well spaced florets distinguish this new strain of florist's market Larkspur from all others. It retains the desirable height and basal branching habit of the Giant Imperials but has Delphinium-like florets on long, thick spikes.

Regal Dark Blue. Very deep violet-blue.

Regal Pink. Brilliant pink on salmon.

Regal Lilac. Pure clear lilac.

Regal Rose. Rich florist's rose.

Regal White. Pure white.

Regal Finest Mixed.

Tr. pkt., 35c; oz., \$1.25; ¼ lb., \$4.50; lb., \$16.00.



Hollyhock

HOLLYHOCKS

(Perennial)

Triumph. Double mixed. Flowers waved and fringed. Tr. pkt., 35c; ¼ oz., 75c.

CHATER'S DOUBLE

Scarlet	Newport Pink
Deep Rose	White
Maroon	Mixed
Yellow	

Each: Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

HOLLYHOCKS (Annual)

Indian Spring. Starts to bloom 5 months from seed sowing and continues until frost. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.75.

HUNNEMANNIA

Sunlight. Semi-double. Tr. pkt., 20c; ¼ oz., 50c.

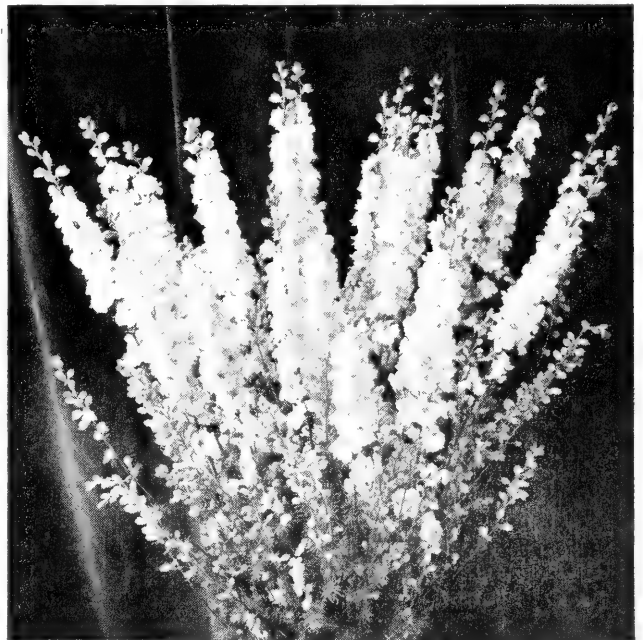
IMPATIENS

Excellent plant for shady positions with glossy leaves and attractive blooms. Provide splendid pot plants. Also useful for porch boxes. Tr. pkt.

Holstii Hybrids Mixed. A fine mixture \$0.50

Sultani Hybrids Mixed50

Ipomoea. See Morning Glory, page 16.



Annual Larkspur

LARKSPUR**IMPERIAL OR BASE BRANCHING**

These Larkspur are ideal cut flowers, as the flower stems, three to four feet long, branch from the base of the plant. For indoor forcing. Also good outdoors.

Blue Bell. Azure-blue.

Los Angeles Improved.

Blue Spire. Violet-blue.

Fine pink.

Lilac King. Rich lilac.

Pink Perfection. Light salmon.

White King. Pure white.

Rose King. Rich rose.

Imperial—Choice Mixed.

Prices of above varieties:

Tr. pkt., 30c; oz., \$1.15; ¼ lb., \$4.00; lb., \$14.50.

LINUM - Flax (Perennial)

Perenne (Blue Flax). Pale blue, round-shaped flowers on slender stems, height 18 inches. Tr. pkt., 20c; ¼ oz., 45c.

LOBELIA

Excellent for bedding, window boxes, baskets, etc. December or January sowing is recommended for early use. Tr. pkt. ⅛ oz.

Blue Stone. Re-selected. Large flowers, brilliant mid-blue	\$0.25	\$0.60
Crystal Palace Compacta. 4 inches, ultra-marine-blue. The best for edging; dark foliage .....	.25	.50
Emperor William. Deep blue with light green foliage .....	.25	.50
Mrs. Clibran. Deep blue, white eye, dark foliage .....	.25	.60
Sapphire. For hanging baskets, large, deep navy-blue with white eye .....	.25	.60

LUPINUS - Polyphyllus (Hardy Lupine)

Fine for cutting. Requires a well-drained location and thrives best in cool climate. Tr. pkt. ¼ oz. Oz.

Harkness Regal Mixture. The standard fine hybrid mixture ..	\$0.20	\$0.50	\$1.50
Russell Strain. Unusually long closely set flower spikes and the widest range of attractive colors. .	.25	.75	2.50

LUPINUS (Annual Lupines)**HARTWEGI GIANTS or KING**

An improved strain. 3 to 4 feet high, with base branching habit. Each plant produces from 4 to 6 spikes of bloom.

Dark Blue. Rich Oxford-blue.

Sky Blue. Clear light blue.

White. Glistening pure white.

Choice Mixed.

Tr. pkt., 25c; ½ oz., 85c; 1 oz., \$1.50.

LYCHNIS

(Perennial)

Tr. pkt. ¼ oz.

Chalcedonica. Fine scarlet flowers. 2 ft. ..	\$0.25	\$0.50
Viscaria Splendens. Early deep rose.....	.25	.50

MARIGOLD - Tagetes

One of the most popular of annuals for cutting and garden decoration. A January sowing spaced 4 x 4 in. grown in shallow benches or flats, can be expected to flower in 8 to 10 weeks after transplanting.

Tall African, Double Fistulosa 2½ to 3 ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type; valuable for cutting.

Orange All-Double. A strain of African Marigold which has come about 95% double. A superior strain for cutting. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.65.

Lemon All-Double. Same trueness to double type as All-Double Orange. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.65.

Moonlight Improved. This is the finest true butter-yellow Fistulosa type Marigold. Flowers average 4 to 5 inches and are carried on 2-ft. plants. Long individual stems make it a desirable cut flower variety. Tr. pkt., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$2.50.

Fluffy Ruffles. Super giant, beautifully ruffled, double, brilliant medium orange. Height 18 to 20 in. Tr. pkt., 35c; ¼ oz., 50c; ½ oz., 90c; oz., \$2.75.

All-Double Mixture. Mixture of above All-Double varieties. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

MATRICARIA - Feverfew

(Perennial) Fine for Cut Flowers

Tr. pkt. ⅛ oz. ¼ oz.

Ball's Double White. Extra	\$0.35	\$1.00	\$1.75
Dwarf Double Golden Ball .....	.25	.50	

MIMOSA - Sensitive Plant

Pudica Tr. pkt., 35c; ¼ oz., 60c

MIMULUS

Moschatus (Musk Plant). Flowers are pale yellow with small brown blotches. Tr. pkt., 35c; ¼ oz., 75c.

MOONFLOWER (Ipomoea Noctiflora)

Among the fastest growing and most popular of all summer climbers.

Noctiflora (White Moonflower). Night blooming. Tr. pkt., 20c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

MORNING GLORY - Ipomoea

Clarke's Heavenly Blue

The most popular Morning Glory, flowering very early and with almost unbelievable freedom. A beautiful shade of belladonna-blue flowers. Tr. pkt., 20c; ½ oz., 50c; oz., 75c.

Scarlett O'Hara. Rich dark wine-red or deep crimson, with attractive foliage. Tr. pkt., 25c; ½ oz., 75c; oz., \$1.25.



Ipomoea, Heavenly Blue

MARIGOLD**Chrysanthemum Flowered Type 2½ to 3 ft.**

Resembles tight incurved Chrysanthemums. Makes excellent cut flowers.

Glitters. Glitters Marigold has large, fluffy Chrysanthemum-like, sharp canary-yellow flowers, 3 in. and more across, which are freely borne on long, strong stems continuously from early in the summer until frost. Tr. pkt., 35c; ¼ oz., 50c; oz., \$1.75.



Marigold, Glitters

Mammoth Mum. Largest of the incurved Chrysanthemum flowered Marigolds. Blooms are fluffy, ball-like and colored a light sulphur-yellow. Individual petals are delicately intertwined in true Mum fashion. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.

MARIGOLD—Continued

Mission Giants

A remarkable, robust growing, extremely large flowered type, ideal for show purposes, florist use and garden decoration.



Marigold, Mission Giant

Goldsmith. The best version of the Chrysanthemum-flowered Marigold. Globular flower with incurved petals, borne on long base branching stems. 3 ft. tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Limestone. Beautiful Chrysanthemum type incurved flowers. Limestone is a soft lemon-yellow. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Mission Giant Yellowstone. Bright, rich, clear, yellow counterpart to Goldsmith, with large 2½ inch flowers on luxurious, large plants. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Sunset Giants, Mixed. This is a mixture ranging from deep orange through golden orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

MARIGOLD, Double Carnation-Flowered

2½ Feet

The loose, informal flowers are fluffy in appearance and very popular for cutting.

Guinea Gold. Attractive deep golden orange flowers, 2 to 3 in., and very freely produced; fine for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Yellow Supreme. Bright lemon-yellow, loose petaled flower. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.65.

Double Carnation-Flowered Mixed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.40.

MARIGOLD - Dwarf French Single 1 ft.

Naughty Marietta. Rich golden yellow petals attractively marked maroon at the base. 2-inch flowers. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.40.

Spanish Flag Finest Mixed. Blended mixture of only the modern Dwarf Single Marigolds in red, yellow and bicolor. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.40.

Tagetes signata pumila. Very dwarf orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

MARIGOLD - Dwarf French Double

In double French Marigolds, we recommend the Harmony type whenever possible as it flowers much more profusely under difficult outdoor conditions.

Butter Ball. Most attractive, very compact, Scabious-flowered, canary-yellow. Only 6 to 10 inches tall. Tr. pkt., 30c; ¼ oz., 60c; oz., \$1.75.

Color Magic. Large flowered. An unusually striking blend of colors from red to golden yellow to include many bi-color combinations of the red, bronze, orange and gold. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.75.

Cupid Yellow. Dwarf in habit with 2-inch, primrose-yellow, Chrysanthemum-like flowers. A fine variety for edging or borders. Used in combination. Tr. pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.85.

Gold Crest. Golden yellow. Early and free flowering. Tr. pkt., 25c; ¼ oz., 45c; oz., \$1.50.

Harmony Hybrids. Compact habit combined with early free flowering. Orange and yellow shades with blotched and striped combinations. Tr. pkt., 30c; ¼ oz., 60c; oz., \$1.75.

Improved Harmony. Medium size Scabious-like double flowers. Deep orange center with maroon-red outer petals. Tr. pkt., 30c; ¼ oz., 60c; oz., \$1.75.

Spry. Dwarf, compact plants about 9 inches high and spreads 15 inches, having a bright yellow center with several rows of mahogany-red guard petals. Tr. pkt., 30c; ¼ oz., 60c; oz., \$1.75.

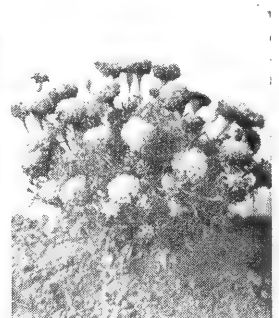
Sunkist. A bright golden orange. Typical Harmony flowers with crested centers. Uniformly dwarf. Tr. pkt., 30c; ¼ oz., 60c; oz., \$1.75.

Yellow Pigmy. Lemon-yellow. 8 in. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.

Dwarf French Double Mixed. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.



Improved Harmony



Marigold, Spry

MARIGOLD—Winter Flowering

Grow in Carnation house temperature.

Colorado Sunshine. Bright luminous yellow, ruffled and fringed Carnation flowered type, especially good for cutting under glass. Tr. pkt., 35c; ½ oz., 60c; ¼ oz., \$1.00.

NASTURTIUM, DOUBLE

Double Scarlet Gleam. Dazzling fiery orange-scarlet.

Double Golden Gleam. Golden yellow, sweet scented, long stems, easily grown and useful as a cut flower outdoors and under glass. Especially adapted for window box culture.

Glorious Gleam Hybrids. Similar in habit and growth to the above, but in a wide assortment of colors.

Each: Pkt., 20c; 1 oz., 40c; ¼ lb., \$1.00.

NIEREMBERGIA

Tr. pkt.

Purple Robe. A fine dwarf deep violet-blue, blooms in 15 weeks from seed\$0.50

Hippomanica. An attractive lavender-blue, suitable for outdoor bedding. 6 to 8 in.50

NICOTIANA - Flowering Tobacco

Crimson Bedder. 15 in. Makes a very compact growth and very free flowering. Tr. pkt., 25c; ¼ oz., 50c.

White. 36 in. Tall and large flowered. Tr. pkt., 20c; ¼ oz., 50c.

Nicotiana Hybrids, Mixed. Tr. pkt., 30c; ¼ oz., 60c.

**Giant Pansies****GIANT PANSIES**

The finest strain of fancy Pansies composed of seed which is hand picked from individual plants selected for the largest sized flowers in the richest and most varied colors.

Swiss Giant—Separate Colors

	Tr. pkt.	1/8 oz.	1/4 oz.
Alpenglow. Rich garnet shades ..	\$0.50	\$1.75	\$3.00
Coronation Gold. Large golden yellow .....	.50	1.75	3.00
Jumbo "Pay Dirt." Largest golden yellow. Flowers have dark rays or tiny faces	1.00	3.25	6.00
Raspberry Rose. Beautiful new color .....	.50	1.75	3.00
Thunder Sea. A blue with darker blotch .....	.50	1.75	3.00
Ullswater (Lake of Thun). Marine-blue .....	.50	1.75	3.00
White. Pure white .....	.50	1.75	3.00

Felix. Felix is a distinct new pattern in Pansy mixtures.

It has a yellow pencilled face and a contrasting wide border of different shades. Flowers are large and wavy with a strong growing habit. Tr. pkt., \$1.00; 1/8 oz., \$3.25; 1/4 oz., \$6.00; 1/2 oz., \$10.00.

Steele's Jumbo Mixed. This superb strain of Pansies is of largest size, richest and most varied colors. Tr. pkt., \$1.00; 1/8 oz., \$3.25; 1/4 oz., \$5.60; 1/2 oz., \$9.75; 1 oz., \$17.75; 2 ozs., \$33.75.

Steele's Butterfly Hybrids. A select new ruffled Pansy. A fine mixture of the most unusual pastel shades. Tr. pkt., \$1.00; 1/16 oz., \$2.00; 1/8 oz., \$3.35; 1/4 oz., \$5.60; 1/2 oz., \$9.75.

Super Swiss Giants Mixed. A magnificent blend of Swiss Giants. Grand in size, form, color and substance; blotched and beautifully marked. Plants low and compact. Tr. pkt., 75c; 1/8 oz., \$2.00; 1/4 oz., \$3.00; 1/2 oz., \$5.50; oz., \$10.00.

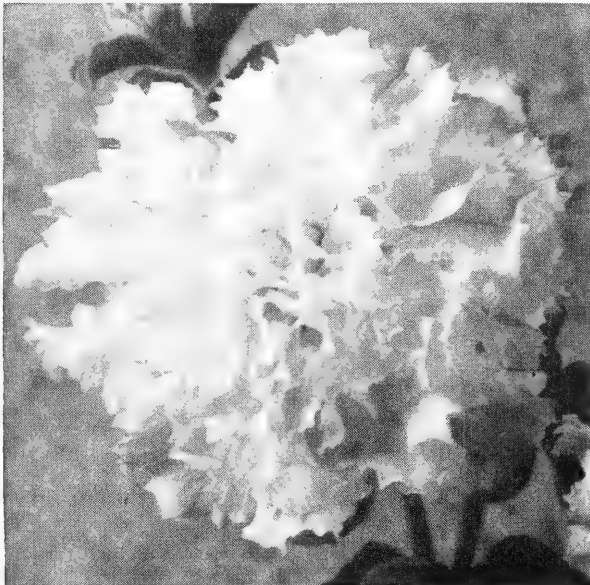
Super Maple Leaf Giants. The sturdy plants have large flowers in radiant colors, especially blue with yellow, white and black. Tr. pkt., 75c; 1/4 oz., \$3.50; 1/2 oz., \$6.00; oz., \$11.00.

SELECTED PETUNIAS

Our Petunia seeds are of the finest quality, grown by the best growers in California and Japan from selected plants. No pot plant more profitable or satisfactory than a fine pot plant of Petunias.

ALL-DOUBLE PETUNIAS

The following are selected varieties chosen for their quality and popularity. Double Petunias make a reasonably priced yet profitable pot plant for Easter and Mother's Day sales. November or December sowing is necessary to produce 4- and 5-inch plants.

**Double Petunia, Sonata****ALL-DOUBLE DWARF
Victorious Strain**

Blue Brocade Improved. The real dwarf blue All-Double.

Loveliness. Soft rose-pink, about one-third slightly darker. All very dwarf and compact.

Pure White Improved. Pure white, fully double, well fringed flowers. Excellent for pots and for bedding.

Rosy Carmine Improved. Bright rose, much improved in the size of flower and with extra dwarf growth.

Silver Blue. Clear blue without veins, velvet-like, glistening, overlaid with shiny blue.

Victorious Mixed. Covering full range of colors, excellent in its splendor and its even dwarf growth.

Each of the above:

1/2 Tr. pkt., \$2.00; Tr. pkt., \$3.50.

**ALL-DOUBLE DWARF PETUNIAS
Pan-American Strain**

Allegro Improved. Large, double, fringed, deep salmon flowers.

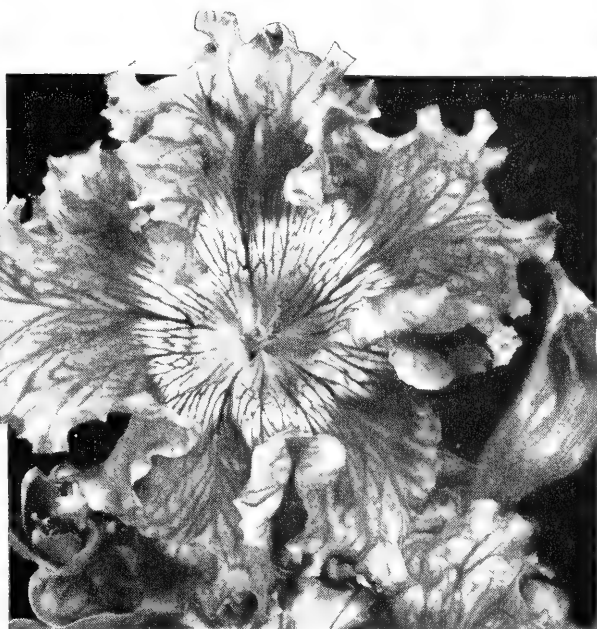
Caprice Improved. Double, deep fringed, bright rose flowers.

Minuet. Beautiful orchid-lavender. Should be pinched.

Nocturne. A deep midnight-purple. Flowers somewhat semi-double.

Sonata. Large, double, pure white, fringed. Fine for Mother's Day. Recommended pinching plants to induce branching.

Prices above each: 1/2 tr. pkt., \$2.75; tr. pkt., \$4.50.



Dwarf California Giants

SINGLE PETUNIAS Dwarf Giants of California

Flowers are beautifully ruffled and fringed with open well-marked throats. This dwarf class makes particularly fine 3- and 4-inch pot plants for spring business. Seed for this purpose should be sown in January.

Dwarf Giants of California Select Mixed. This is the best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

Dwarf Giants of California, Ramona Strain, Dark and Light Shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open, well marked throats. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

LARGE-FLOWERING GRANDIFLORA Ruffled—Plain Edged

Generally more robust than the fringed and larger flowered—excellent for bedding. Flowers 3 to 4 inches in width. Height, 12 inches.

Burgundy. Plain edge. Rich wine-red. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Flaming Velvet. Velvety blood-red. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Popcorn. Single plain edged variety identical in flower form and size of bloom with Snowstorm. However, it is earlier blooming and its habit is exceedingly dwarf and compact. Excellent for pot work or bedding. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{32}$ oz., \$5.00.

Snowstorm Improved. Large, pure white, fragrant flowers on compact plant of very uniform growth; favorite white for pot plants, excellent for bedding. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.90; $\frac{1}{32}$ oz., \$3.25.

Summer Night. Large, well ruffled flowers of true Elk's-Pride-purple—rich and bright. Satisfactory for bedding. Blooms 3 weeks later than most other varieties. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

Theodosia Improved. Largest rose-pink with golden throat, fringed. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.50.

Ruffled Monsters Mixed. Formula mixture. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.95.

SELECTED PETUNIAS—(Continued) NEW F₁ HYBRID VARIETIES Large Single Dwarf Fringed

Ballerina. Large single fringed flowers of a soft glowing salmon. Plants are dwarf and compact. Blooms $\frac{3}{2}$ to 4 in. across, excellent for pots.

Bolero. Carmine-rose-pink flowers, well ruffled and fringed, $\frac{3}{2}$ to 4 in. across. Plants uniformly dwarf and compact. Profuse bloomer; outstanding pot plant.

La Paloma. Large well fringed flowers, pure white with yellow throat. Most uniform and vigorous grower.

Tango. Deep salmon outside of bloom, shading to scarlet-salmon nearer throat. Flowers $\frac{3}{2}$ to 4 in. across, beautifully fringed.

Each of the above: $\frac{1}{2}$ tr. pkt., \$1.35; tr. pkt., \$2.50.

SINGLE DWARF FRINGED - 10-inch (Dwarf Erfurts)

Dwarf Elk's Pride. This velvety purple is one of our most popular varieties. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.60; $\frac{1}{32}$ oz., \$2.75.

Lace Veil. Pure white, large flowers, free flowering. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

Martha Washington. Delicate rose, center veined rich wine-red, ruffled 3 in. blooms. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.50.

Setting Sun. Brilliant deep rose, dark throats, very free flowering. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

Dwarf Fringed Mixed. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50.



Petunia, Ruffled Garden Giants

DWARF RUFFLED GIANTS

For neat compact growth and richly fringed flowers. **Ruffled Little Giants Mixed.** This type has medium sized, well ruffled and fringed flowers grown on compact plants, 8 to 10 inches tall. An excellent pot item for florists. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Ruffled Garden Giants. The outstanding feature of this new variety is its satisfactory growth. The plants uniformly develop into well rounded mounds 12 to 15 inches high. The mixture includes a wide variety of bright color combinations. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

SELECTED PETUNIAS—Continued

**PETUNIA HYBRIDA NANA COMPACTA
Compact Dwarf Bedding**

The largest selling class, mostly used for sale out of flats for bedding and mass effect. The plants grow dwarf and compact and while the flowers are comparatively small they are produced very freely. Fine for pot sales, garden borders and bedding.

Admiral. Most attractive dwarf blue bedding Petunia. Flowers are ruffled, adding greatly to their distinctiveness. Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

Blue Bedder Imp. Mid-blue, more compact growing and a better color than the original. Very free flowering. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Celestial Rose Re-selected. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Comanche. F₁ Hybrid. All-America Winner. Finest red Petunia. 1/2 tr. pkt., \$1.25; tr. pkt., \$2.00.

Elks Star. Velvety reddish purple, white star. New, exceptionally uniform and compact bedding strain. Tr. pkt., 50c; 1/16 oz., \$1.25; 1/8 oz., \$2.00.

Fire Chief. A brilliant scarlet-red. Plants dwarf and compact with long blooming season. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.65.

Glow. Bright rose-red, with lighter throat. Dwarf, compact bell-shaped. Very free flowering and true to type. Tr. pkt., 50c; 1/16 oz., \$1.10; 1/8 oz., \$1.75.

King Henry. Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. Tr. pkt., 75c; 1/32 oz., \$1.40.

Lipstick. Carmine-rose with just a suggestion of salmon. Lipstick should prove an excellent garden variety. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/16 oz., \$1.75.

Rose of Heaven Improved. The best strain on the market for borders and bedding. Perfectly uniform, fine rose-pink color; dwarf habit. Tr. pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Rosy Morn Improved. Differs from the original in that the rose coloring is stronger and deeper and habit some stronger. Quite uniform and distinct in every way. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Silver Blue (Heavenly Blue.) Reselected rich light blue, compact habit and truer than most strains. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Snowball Improved. This compact white Petunia is the result of many years work to obtain a lower growing compact strain. The flowers are large, full round with a light throat. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Snow Queen. A pure white bedding Petunia. Its long spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

Velvet Ball. Dwarf compact plants with velvety blood-red blooms. Tr. pkt., 75c; 1/32 oz., \$1.40.

Violacea. Deep violet, dwarf, with a bright blue cast. A fine color in the nana compacta type. Tr. pkt., 40c; 1/8 oz., 75c; 1/4 oz., \$1.40.

Nana compacta Mixed. A well balanced mixture. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00; oz., \$3.50.



Dwarf Bedding Petunia

Petunia Hybrida, Bedding

This class is of vigorous growth and for this reason is suited to outdoor bedding where summers are most trying.

Blue Bee. Blue of Jersey Gem Viola. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Flaming Velvet. Rich brilliant velvety blood-red or crimson flower. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

General Dodd. This is a velvety blood-red. In height this does not exceed 10 inches. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Howard's Star Improved. Medium tall velvety purple with white star. Highly attractive and popular for bedding. Tr. pkt., 35c; 1/8 oz., 85c; 1/4 oz., \$1.50.

White King. Pure white. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Radiance. A very brilliant and rich rose or cerise color, veined yellowish throat. Blooms very early and profusely, of uniform height and branching nicely. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.35.

Topaz Queen. A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.35.

Choice Bedding Mixed. A very choice mixture which contains a splendid blend of color. Tr. pkt., 25c; 1/4 oz., 90c; oz., \$3.25.

BALCONY PETUNIA

A free large flowering type of semi-trailing habit. Excellent for vases, window boxes and they may also be used for bedding.

	Tr. pkt.	1/8 oz.
Cornflower Blue. A violet-blue	\$0.35	\$0.90
Black Prince. Deep rich velvety crimson. ....	.35	1.00
Rose. Fiery rose, select strain .....	.35	1.00
Star of California. Violet, white star ..	.35	.90
Violacea. Fairly dwarf deep purple .....	.35	.90
White. Pure white .....	.35	.90
Balcony Mixed .....	.30	.75

PENTSTEMON, BEARD TONGUE

(Pernennial)

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft. Tr. pkt., 40c.

PHLOX

Drummondii Gigantea Art Shades

A strain of Phlox Drummondii with flowers an inch and a quarter to an inch and a half in diameter. It has a most wonderful range of color. The individual flowers are larger than the Grandiflora type, and are produced freely on strong, upright plants. 10 inches.

Red Glory. A bright scarlet-red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink.

Salmon Glory. Pure salmon-pink with creamy white eye.

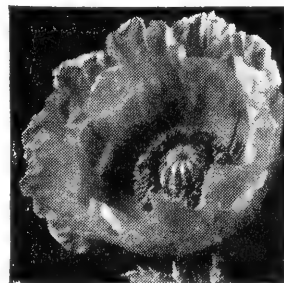
Tr. pkt., 40c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$4.50.

Art Shades Mixture. Large flowered mixture of pastel shades.

Tr. pkt., 40c; 1/4 oz., 75c; 1/2 oz., \$1.20; oz., \$4.25.

Grandiflora, Choice Mixed. Fine, free flowering bedding and border material. Also nice for cutting.

Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.50.



Papaver Orientale



Primula Malacoides

POPPIES—Annual

Tr. pkt. 1/4 oz.

Shirley Finest Single Mixed\$0.20 \$0.50

American Legion. Single orange-scarlet. .20 .50

PAPAYER ORIENTALE - Oriental Poppy

Large cup-shaped flowers with crinkled petals. Newly open flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting. Oriental Poppies do not come entirely true from seed.

Tr. pkt. 1/8 oz.

Brilliant, Brilliant fiery red; 40 in.\$0.35 \$0.75

Princess Victoria Louise. Salmon35 .85

Mixture of All Colors35 .75

PORTULACA - Moss Rose

A very excellent plant for dwarf bedding or border. Very excellent easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Tr. pkt. 1/4 oz. Oz.

Grandiflora Double Mixed\$0.40 \$1.00 \$3.50

Grandiflora Single Mixed30 .75 2.50

PRIMULA Obconica

A sowing in late January or February will make choice pot plants for Christmas. For better germination put Primula seed in a refrigerator for a week or ten days.

Tr. pkt.

Fasbender's Red. Extra large deep crimson\$1.25

Wyaston Wonder. Carmine-rose 1.25

PRIMULA Malacoides

Sow seed in May or June in light sandy soil for fine plants for St. Valentine's Day and spring sales. Light, air and low temperature are the main things to check carefully. Do not let the plants get too dry between waterings.

Tr. pkt.

Mrs. Eriksson of Riverside. Large flowers of deep rose-red on compact plants of medium height.\$1.50

Eriksson's Improved, Finest Mixed. A well balanced blend of colors 1.50

PYRETHRUM (Pernennial)

One of the really good hardy perennials, valuable alike for cutting or planting in the hardy border.

Tr. pkt. 1/8 oz.

Robinson's Giant Hybrid Red\$0.40 \$0.85

.....1/4 oz., \$1.40..\$0.40 \$0.85

Robinson's Single Giant Hybrids Mixed.

.....1/4 oz., \$1.25.. .40 .75

RICINUS - Castor Oil Plant

Tr. pkt. Oz. 1/4 lb.

Zanzibariensis, Mixed\$0.25 \$0.50 \$1.50

RUDBECKIA (Cone Flower) 2 ft.

Starlight. Primrose-yellow to mahogany and bi-colors, with mahogany centers. Very fine. Tr. pkt., 40c; 1/4 oz., \$1.00.

Purplea. 4 ft. Reddish purple flowers. Tr. pkt., 35c; 1/4 oz., \$1.00.



Phlox Drummondii—Gigantea Art Shades

Drummondii Nana Compacta

Dwarf type for growing in pots or bedding. The symmetrical dwarf, compact plants are especially suited for bedding, rock garden, and pots. 6 inches.

Cecily Mixture. A bright mixture of all colors and shades in dwarf types. Tr. pkt., 35c; 1/4 oz., 50c; 1/2 oz., 90c; oz., \$3.00.

Dwarf Fine Mixed. Compact plants averaging about 6 inches high. Tr. pkt., 35c; 1/4 oz., 90c; oz., \$3.00.

Globe Mixed. Plants branch fully from the base of the plant, creating a beautifully rounded, uniform shape.

This fullness of plant form is striking. Very showy and excellent for bedding. Tr. pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

PLATYCODON (Balloon Flower)

Bell-shaped flowers on graceful stems from June to September. 2 ft.

Tr. pkt. 1/4 oz.

Grandiflorum. Large steel-blue flowers ..\$0.40 \$0.75

POPPIES

Poppy, Iceland (Nudicaule)

Tr. pkt. 1/4 oz.

Sanford's Giant Strain. Immense flowers on stiff strong stems, very varied range of colors\$0.40 \$1.00

Cardinal. Large flowered red40 1.00

SALVIA SPLENDENS

One of the most brilliant bedding plants. Popular for bedding and garden planting, there is always a good call for Salvias. The fine strains are developed over years from single plant selections, they are outstanding. Blooms early summer to frost. Sow seed in flats and give bottom heat, as this helps germination of seed. New crop available about November 15th.

America or Globe of Fire. Compact rounded bushes averaging 18 in. in height, blooms early and continuously. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; $\frac{1}{2}$ oz., \$3.00; 1 oz., \$5.50.

Blaze of Fire. Dwarf and early, this variety is suitable for pots but also has plenty of vigor for planting outdoors. A nice item for low borders averaging 12 to 15 in. in height. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.15; $\frac{1}{2}$ oz., \$3.75; 1 oz., \$7.25.

Clara Bedman (Bonfire.) Grows about 24 to 30 in. high. Our strain is very compact, being covered with masses of deep scarlet blooms. Tr. pkt. 50c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.45; $\frac{1}{2}$ oz., \$2.65; 1 oz., \$5.00.

Fireworks. (New). A dwarf early type developed primarily for pots as it flowers only a few weeks after seeds are sown. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; $\frac{1}{2}$ oz., \$5.00.

Harbinger (Firebrand.) Early scarlet of compact, upright growth, with extremely long flower spikes. Will average 20 in. in height and is one of the very best sorts available. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.10; $\frac{1}{4}$ oz., \$2.00; $\frac{1}{2}$ oz., \$3.50; 1 oz., \$6.50.

St. Johns Fire. A very dwarf early type developed primarily for pots as it flowers only a few weeks after seeds are sown. Grow about 12 inches high. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25; $\frac{1}{2}$ oz., \$4.25; 1 oz., \$8.00.

Farinacea, Blue Bedder. A compact rich blue. Tr. pkt., 50c; $\frac{1}{8}$ oz., 75c; $\frac{1}{4}$ oz., \$1.25.

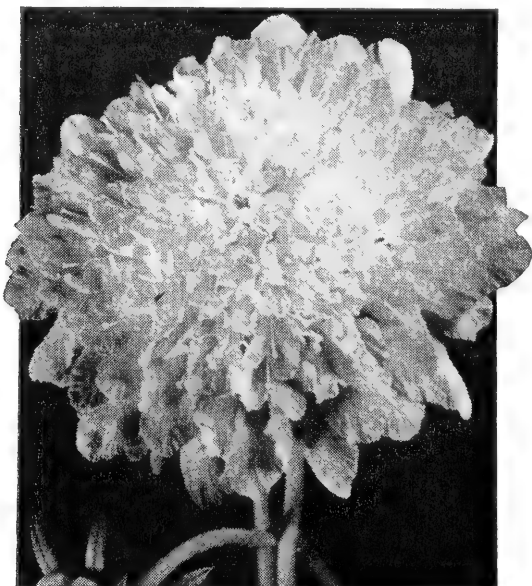
SALPIGLOSSIS

Some very attractive colors for summer cutting and spring flowering under glass. Tr. pkt. $\frac{1}{4}$ oz.

Emperor. Extra choice large flowering mixture\$0.25 \$0.45

SAPONARIA

Pink Beauty. Trailing Rose; hardy rock plant. Tr. pkt., 35c; $\frac{1}{8}$ oz., 75c.



Scabiosa, Blue Moon



Salvia

SCHIZANTHUS (Butterfly Flower)

Giant Flowering Hybrids. Select large flowered. A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item. Tr. pkt., 35c; $\frac{1}{8}$ oz., 75c.

Compactus, Mixed. The plants grow dwarf and compact, making them most suitable for pot culture. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c.

SCABIOSA (Mourning Bride)

Choice long-stemmed annuals for summer cutting.

An easily grown, free flowering cut flower having long stems and a wide range of desirable colors. Sow in March for late spring greenhouse crop or outdoors for summer cut flowers.

	Tr. pkt.	$\frac{1}{2}$ oz.
Blue Cockade. Deep azure-blue	.....\$0.35	\$1.00
Blue Moon. Rich deep lavender-blue	.....	.35 1.00
Loveliness. Salmon-rose	.....	.35 1.00
Shasta White	.....	.35 1.00
Giant Hybrids Mixed	.....	.25 .85

Scabiosa (Perennial)

Excellent perennial cut flower material. Larger flowered than the popular annual form, perfectly hardy, and early flowering. Seed germination sometimes slow and irregular. Tr. pkt. $\frac{1}{4}$ oz.

Caucasica, House Hybrids. Lavender and blue shades\$0.50 \$1.50

SHAMROCK

True Irish Shamrock. Sow January 1st; St. Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 25c; $\frac{1}{4}$ oz., 50c.

SOLANUM - Jerusalem Cherry

Hlavacek's Masterpiece. A compact type, red. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.25.

Select Xmas Pepper. Compact plants with cone-shaped fruit, which is first green, then purple, then red. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.40.

STATICE, PERENNIAL

Hardy perennial producing panicles of minute flowers which can be dried and used for winter bouquets.

Dumosa. Dense clusters of pure silver-gray blooms; 30 inches. Tr. pkt., 40c; $\frac{1}{4}$ oz., 85c; oz., \$3.00.

STATICE SINUATA

Valuable for cutting or decoration. This attractive annual is largely grown outdoors for drying especially in southern localities but a mid-winter sowing makes a nice late spring greenhouse crop.

Hybrid Mixture. A mixture of colors. Tr. pkt., 25c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

STOCKS NON-BRANCHING COLUMN

American Beauty. American-Beauty-rose.

Avalanche. Early white.

No. 16 Ball White Improved. Finest early white, with extra large florets.

Lilac-Lavender. Clear, bright lavender.

Malmaison Pink. Long stemmed.

Rose-Pink. This is the popular clear rose.

Ruby. Rich crimson-red.

Shell-Pink. Soft pink.

Silvery Lilac. Lilac-lavender.

Supreme No. 22. Bright silvery pink.

White Giant. Pure white.

Exquisite Mixed. A well balanced blend.

Any of the above:

Tr. pkt., \$1.00; ¼ oz., \$2.50;
oz., \$9.50

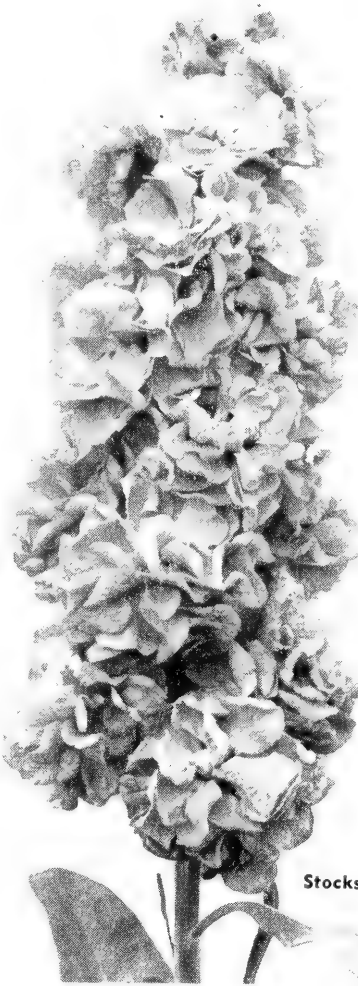
TWO NEW COLUMN STOCKS

Pacific Pink. The first pure true pink, extremely fine under artificial light.

Pacific White. A vigorous new white; early blooming, bearing large flat florets with strong stems which when grown under glass hold up into well spaced spikes.

Price above two varieties:

½ Tr. pkt., 85c; tr. pkt., \$1.50;
¼ oz., \$2.50; ¼ oz., \$4.50;
1 oz., \$16.00.



IMPERIAL IMPROVED BISMARCKS

An especially meritorious class; of branching habit.

Chamois. Ivory tinted rose.

Elk's Pride. Rich purple.

Flesh. Delicate pink.

Fiery Blood-Red.

Lilac. Lilac-lavender.

Rose. Deep rose-pink.

Santa Maria. Giant white.

Choice Mixed.

Any of the above varieties:

Tr. pkt., 35c; ¼ oz., \$1.00;
oz., \$3.00.

TRYSONIC STOCK BRANCHING BISMARCK TYPE

Ten years of intensive work was necessary before the technique of breeding this new type could be developed. Coming 85% or more double-flowering.

Bright Rose

Canary-Yellow

Lilac-Lavender

White

Fiery Red

Chamois

Navy-Blue

Choice Mixed

Each of the above:

½ tr. pkt., \$1.00; pkt., \$1.75;
¼ oz., \$2.85; ¼ oz., \$5.00.

SWEET PEAS

EARLY OR WINTER FLOWERING SPENCER

These are all exceptionally large-flowered and long-stemmed.

American Beauty. A rich crimson-rose.

Amethyst. Royal purple.

Apollo. Soft salmon-cerise, long stemmed.

Avalon. Mid-blue. A shade deeper than blue.

Ball's Rose Improved. Rich deep rose-pink.

Ball Rose Queen. The best rose-pink.

Ball Orange Improved. Clear orange.

Ball White. White seeded.

Boon. Deep salmon-pink.

Burpee's White. Giant white seeded.

Blue Bird. A magnificent violet-blue.

Bridesmaid. A charming deep silvery pink.

Daphne. Soft salmon-pink; a fine color.

Fiesta. A new fine orange-cerise.

Fragrance. Large frilled lavender flowers.

Harmony. Clear lavender.

Hope. Pure black-seeded white.

Hiawatha. Deep rose on white ground.

Laddie Improved. Rose.

Mrs. Herbert Hoover. Bright blue.

Mrs. H. S. Reddick. Salmon-pink.

Sequoia. Rich golden cerise.

Treasure Island. Golden orange.

White Harmony. Black-seeded white.

Early Flowering Mixed.

Prices all above: 1 oz., 50c; ¼ lb., \$1.50;
1 lb., \$5.50.

EARLY MULTIFLORA

An introduction by Wm. Zvolanek. Produces very long stems and five, six and sometimes eight flowers per stem. Get bigger bunches, longer stems and larger flowers in the same area. Give them a trial.

White **Lavender**

Rose **Orange-Cerise**

Salmon-Pink

Each of the above:

½ oz., \$1.75; oz., \$3.00.

CUTHBERTSON SPRING- FLOWERING

Unexcelled for Spring
Forcing and Outdoor
Culture

Coline. Scarlet.

Evelyn. Light pink.

Frank G. Lavender.

Hazel. Silvery light blue.

Janet. White, black
seeded.

Jennie. White, white
seeded.

Lois. Rose-pink.

Tommy. Mauve-blue.

Mixture all Colors.

Prices all above:

1 oz., 50c; ¼ lb., \$1.50;
1 lb., \$5.50.



Sweet Peas



Dianthus Barbatus—Sweet William

SWEET WILLIAM

DIANTHUS BARBATUS (Perennial)

There is always a good demand for these beautiful, single, free-flowering, old-fashioned favorites.

	Tr. pkt.	¼ oz.	Oz.
Dark Crimson	\$0.35	\$0.75	\$2.50
Holborn Glory .....	.35	.75	2.50
Newport Pink .....	.35	.75	2.50
Scarlet Beauty .....	.35	.75	2.50
White .....	.35	.75	2.50
Single Choice Mixed .....	.35	.75	2.50
Double Choice Mixed .....	.40	.85	3.00

DWARF COMPACT

Dwarf Alpine Compact Mixed.			
8 in. ....	.50	1.00	3.50

SWEET WILLIAM (Annual)

Annual Single Mixed. Blooms from seed the first year.
Tr. pkt., 25c; ¼ oz., 75c.

THUNBERGIA - Black-Eyed Susan

A climbing vine which forms a dense mat of foliage covered with bright colored flowers with showy black centers. Excellent for ground cover, hanging baskets or window boxes. Tr. pkt., 30c; ¼ oz., 60c; oz., \$2.50.

TORENIA

Fournieri. Excellent pot or bedding plant producing attractive blue flowers with violet blotches. Tr. pkt., 35c.

TITHONIA

Torch. Torch is easy; it grows as easily as a Zinnia—thrives on hot weather. It's orange-red, and red is the American public's favorite color. It's a cut flower that blooms from August until frost. Tr. pkt., 35c; ½ oz., 60c; ¼ oz., \$1.00.

TRITOMA - Red Hot Poker

3 Feet

Hybrida Mirabilis. Blooms first year Tr. pkt. ¼ oz. \$0.35 \$0.60

VERBENA Hybrida Grandiflora

A magnificent strain of robust, compact habit and free blooming.

Beauty of Oxford Hybrid. Beautiful rose-pink.
Lavender Glory. Variable in color. Blue with white eye.
Luminosa. Fiery pink shading to salmon.
Spectrum Red. Intense bright red.
Sutton's Blue. Large flowered deep royal blue.
White. Fine.
Grandiflora Mixed.

Prices of above varieties:

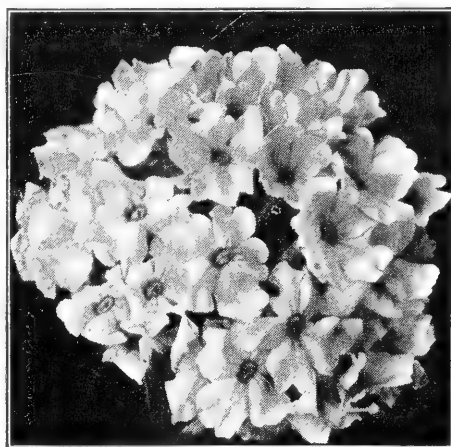
Tr. pkt., 40c; ¼ oz., 85c; 1 oz., \$2.75.

New Bush Type

Dense flower heads are closely massed across the flat-topped plants. Grow 8 to 10 inches high.

Roselight. Bright rose-pink with white eye.
Salmon Queen. Brilliant salmon-pink.
Starlight. Bright mid-blue with creamy white eye.
Bush Type Blend. Mixed.

Tr. pkt., 40c; ¼ oz., 85c; 1 oz., \$3.00.



Verbena

VERONICA (Speedwell)

(Perennial)

Repens. Bright blue, dwarf. Tr. pkt., 35c; ¼ oz., 90c.
Spicata Mixed. Fine for bouquets. Tr. pkt., 30c; ¼ oz., 75c.

VINCA ROSEA (Periwinkle)

This seed should be sown early to secure salable plants for spring.

	Tr. pkt.	¼ oz.	Oz.
Rosea Alba. White, rose center.	\$0.30	\$0.60	\$2.25
Alba Pura. Pure white .....	.30	.60	2.25
Rosea. Pink .....	.30	.60	2.25
Mixed .....	.30	.60	2.25

VIOLA (Tufted Pansy)

Arkwright Ruby. Ruby-crimson shading to terra cotta. Tr. pkt., 50c; ½ oz., \$1.35.

Blue Perfection. Clear blue. Tr. pkt., 50c; ½ oz., \$1.00.

Chantreyland. Best apricot. Tr. pkt., 50c; ½ oz., \$1.50.

Firmament. Pure sky-blue. Tr. pkt., 60c; ½ oz., \$1.95.

Lutea Splendens. Sulphur-yellow. Tr. pkt., 50c; ½ oz., \$1.00.

White Perfection. Pure white. Tr. pkt., 50c; ½ oz., \$1.00.

Mixed. Tr. pkt., 50c; ½ oz., \$1.00.



Viola Cornuta

FLORISTS' ZINNIAS

Bodger's "Gold Medal" Zinnias for Cut Flowers and Garden

By sowing outdoors in May and as late as August 1st, in well enriched soil and protected with water, they can be had in fine shape right up to frost.

ZINNIAS

Bodger's Gold Medal Giant Double Dahlia-Flowered

The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

- Canary Bird.** Rich canary-yellow.
Crimson Monarch. Deep crimson, flowers very large.
Dream. Deep rosy lavender.
Exquisite. Light rose, deep rose center.
Golden Dawn. Golden yellow.
Illumination. Deep rose self.
Luminosa. Bright deep pink.
Oriole. Orange and gold bicolor.
Polar Bear. Large creamy white.
Royal Purple. Deep rich purple.
Scarlet Flame. Bright scarlet.
Will Rogers. Loveliest, most brilliant scarlet-red.
Gold Medal Finest Mixed. Grown as separate colors.

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25; ¼ lb., \$4.00.

Double Lilliput

The Lilliputs are among the most popular Zinnias for cut flower use. The flowers are small, compact, and symmetrical, on strong stemmed, 1½ to 2 ft. plants.

- | | |
|-----------------------------------|----------------------------|
| Canary Gem. Canary-yellow. | Rosebud. Rose-pink. |
| Crimson Gem. | Salmon Gem. |
| Golden Gem. Golden orange. | Scarlet Gem. |
| Lilac Gem. | White Gem. |
| Lilliput. Pastel Mixture. | |

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.15; ¼ lb., \$3.50.

Persian Carpet Zinnia

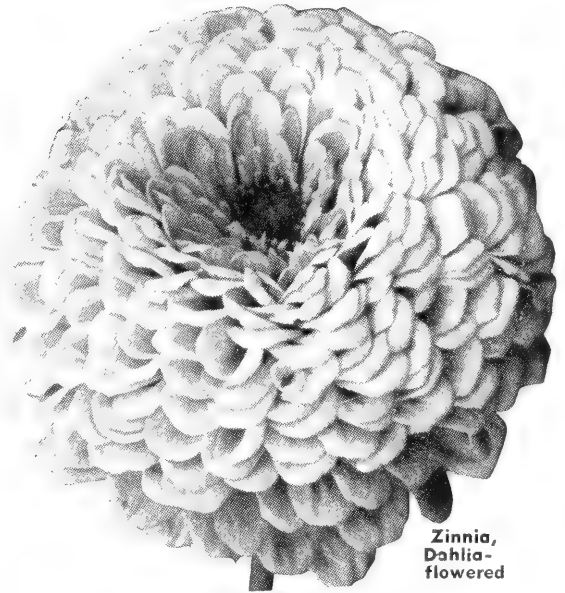
(Mexican Zinnias). It has the deep, rich tones of reds and golds with other shades which should attract gardeners generally. Extremely easy to grow, covered with medium sized blooms on good cutting stems. Tr. pkt., 40; ¼ oz., 65c; ¼ oz., \$1.20; oz., \$4.00.

Peppermint Stick

Medium-sized flowers reselected for a wider color range, including red and white, red and yellow, pink and white, orange and yellow, and purple and white. Plants somewhat taller than Pumila bear medium-sized Pumila type striped flowers. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.25.

Elegans Pumila Dwarf Double (Cut-and-Come-Again)

- | | |
|--|---------------------------------|
| Canary-Yellow. | Salmon-Rose. |
| Crimson. | Scarlet. Bright scarlet. |
| Pinkie. Rose-pink. | Snowball. White. |
| Elegans. Finest Mixed. | |
| Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00; ¼ lb., \$3.00. | |



Zinnia,
Dahlia-
flowered

NEW BURPEE ZINNIA, BLAZE

Newest, most vivid of the Burpee Giant Hybrid Zinnias. Outstanding for uniform doubleness of its fluffy gracefully quilled petals which reach 5 inches across. BLAZE bursts into bloom with a profusion of brilliant mandarin-red flowers which soften to scarlet-orange as the flowers attain size. This fiery beauty is borne on free blooming, uniform plants 28 to 32 in. tall. Tr. pkt., 50c; ⅓ oz., \$1.25; ¼ oz., \$2.00; oz., \$5.25.

Burpee Hybrid

Burpee Hybrids are the loveliest Zinnias ever created, immense fluffy and ruffled flowers with graceful, curved petals. These giant Hybrid Zinnias come in a gorgeous range of colors and color combinations. Plants are 3 ft. tall. Tr. pkt., 35c; ⅓ oz., 50c; ¼ oz., 90c; oz., \$2.75.

Cactus Flowered Mixed

A true and uniform new strain, distinct and desirable. The flowers are thick, composed of fluffy (not curled) petals, and are slightly smaller than most Giants. The color range is broad, including almost all pastel Zinnia shades and many new tints and bicolors but no deep red or purple. Plants are 2 to 2½ ft. high. Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.

FLORADALE SCARLET

A new and distinct Zinnia. Flowers are deep scarlet, slightly smaller than Dahlia-flowered, with the fluffy but not twisted petals generally called Cactus-flowered. Tr. pkt., 30c; ¼ oz., 50c; oz., \$1.75.

RIVERSIDE BEAUTY

Generally in the Cactus flowered type but with petals more curled. Color is most unusual in Zinnias—a glowing salmon-pink unavailable up to now. Plants are 2 to 2½ ft. high. Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.

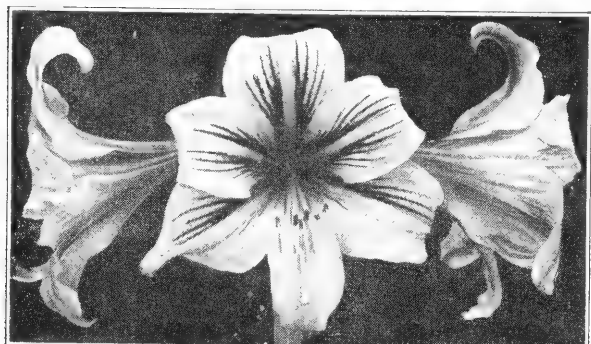
Miscellaneous Types

- Gracillima** (Red Riding Hood). 1 foot high, splendid for bedding. Tr. pkt., 25c; ¼ oz., 50c; oz., \$1.50.
Linearis. The plants grow about 1 foot high. The flowers are a beautiful orange-yellow color. Tr. pkt., 35c; ¼ oz., 75c; oz., \$2.50.
FANTASY, Star Dust. Rich, deep, golden yellow.
FANTASY, Wildfire. Dazzling scarlet.
Crown of Gold Pastel Tints. A mixture of pastel tints and contains a wide color range.

Prices above 3 varieties, each: Tr. pkt., 25c;
¼ oz., 50c; oz., \$1.50.

SUMMER FLOWERING BULBS

Bulbs wanted by parcel post, add postage at zone rate.



Amoryllis

AMARYLLIS

(Large Flowering Hybrids)

These bulbs will make handsome pot plants for window display during the spring. Light and red shades, mixed.

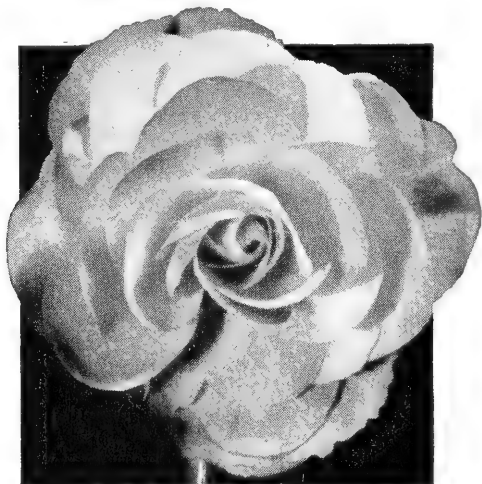
Doz. 100
Select Bulbs. 3 inch\$3.60 \$25.00

Amoryllis, Hardy (*Lycoris Squamigera*). Handsome clusters of rosy lavender flowers which appear in August after foliage has disappeared. Doz., \$3.50.

BEGONIAS—Tuberous Rooted

Culture: The Begonia prefers partial shade and not too warm a place where they will give best results especially in wet summers. For cultivation in greenhouses, shade is necessary. Forcing can be started in February, March or April, depending on the time they should be in flower. The bulbs are placed in 4-in. pots in light porous soil and then covered with earth to a depth of one inch above the bulbs. With its bright colors, richness of foliage and easy culture a favorite with the public in gardens and homes.

California Grown Double Camellia Flowered. The largest and most popular of the double forms. Individual flowers 5 to 8 in. in diameter. Nice for corsages and other cut-flower purposes. Pink, Yellow, Rose, Scarlet, White, Orange, Cardinal-Red, and Mixed. Large bulbs, 2 in. diam. Per 100, \$20.00.



Begonias—Tuberous Rooted

BEGONIAS (Belgian Grown)

Double Camellia Flowered

Scarlet, Yellow, Copper, Rose, White, Salmon and Mixed.

Select Bulbs, 1½ to 2 in. diam. Per 100, \$17.50.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside.

Doz. 100
Medium size, 2 to 2½ in.\$3.25 \$23.00

CALADIUM ESCULENTUM— Elephant's Ear

Much used for bordering Canna beds or sub-tropical plantings.

Doz. 100
Selected Size Bulbs. 7 to 9 inches\$2.20 \$15.00
Extra Large Bulbs. 9 to 11 inches 3.00 22.00



Caladium, Fancy-Leaved

CALADIUM - Fancy-Leaved

Choice dormant bulbs for January and February delivery. Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

Fine assortment of highly colored, separate named varieties:

Doz. Per 100
No. 1, 1½ to 2 inches\$3.00 \$20.00

CANNAS (Large Flowering) Dormant Roots

Our Canna roots are strong and healthy. The varieties listed below have proven indispensable where large exhibition showings are needed.

City of Portland. Deep pink. Green foliage. 3½ feet. Extra good flowers.

King Humbert. This remarkable Canna is the greatest favorite. Broad, tropical foliage. Scarlet flowers; bronze leaves. 4 feet.

Rosemond Cole. A beautiful crimson with yellow edge. Height 3½ feet; green foliage.

Yellow King Humbert. 4 feet. Flower is a deep rich yellow, softly spotted and blotched with bright red. Some plants occasionally give a scarlet or scarlet striped flower.

The President. 4 feet. This immense flaming scarlet is extremely popular. Double flowering, rich red clusters. Heavy green foliage.

Prices—All above Cannas: Per 100, \$6.50;
per 1000, \$60.00.

Eureka. White, green foliage, 3½ ft. Per 100, \$7.00;
per 1000, \$65.00.

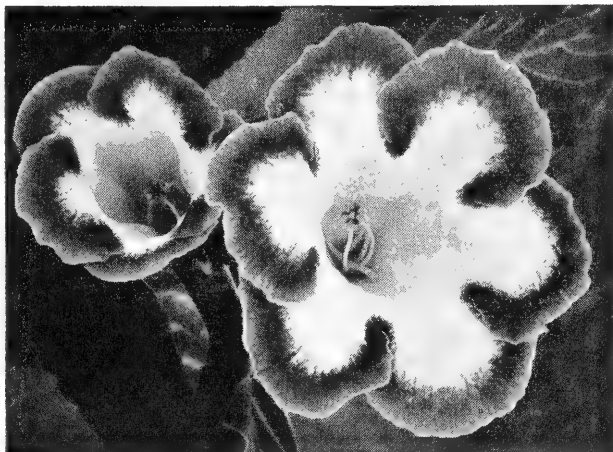
SUMMER FLOWERING BULBS

GLADIOLUS

Gladiolus delivery can be made any time from January 1st to May 15th; and you may be assured that every effort will be made to handle your order efficiently, promptly and to your entire satisfaction. You are assured of high-crowned true-to-name bulbs, accurately graded, hand selected; clean and healthy—thrip free. These bulbs cannot fail to produce top grade flowers. Prices are subject to change.

We carry a large stock of No. 2 size. If in need of large quantities, send us your list for a special quotation.

	First Size	
	100	1000
Burma. Ruffled deep rose, lighter throat.	\$3.40	\$30.00
Blue Beauty. One of the finest medium deep blues. Fine early commercial ..	3.75	34.00
Corona. Creamy white shading to cream toward the throat, with rose picotee edging	4.00	34.00
Elizabeth The Queen. Extra fine new lavender, beautiful ruffled needle point bloom, darker than Minuet. Excellent commercial	3.50	30.00
Harry Hopkins. Large deep red with slight purplish shading. Opens 6 to 8 well placed blooms on a tall, straight stem. One of the best dark reds	3.50	29.00
Leading Lady. White Picardy sport, cream throat. Outstanding commercial and much in demand	3.50	32.00
Leeuwenhorst. Outstanding large light pink	3.50	30.00
Lipstick. Shell-pink strikingly blotched bright rose-red. Flowers are large, somewhat ruffled and of good texture.	4.00	34.00
Margaret Fulton. Coral-pink, to trifle lighter throat; tall spike. Early	3.00	26.00
Maid of Orleans. Beautiful milky white with cream throat. Tall, sturdy grower.	3.00	26.00
Miss Wisconsin. Beautiful clear rose-pink.	3.50	30.00
Picardy. The most popular of all Gladioli. Color is a beautiful light salmon.	3.50	30.00
Purple Supreme. Outstanding tall bright purple. Superb cut flower	3.50	32.00
Silver Wings. Glistening white with a touch of cream in the throat. It will open up to 8 heavily ruffled 6 inch florets on long spikes	3.25	28.00
Snow Princess. A fine large, pure white.	3.25	27.00
Spic and Span. Tall ruffled deep pink, with salmon shading	4.25	38.00
Spotlight. Large deep yellow with small scarlet blotch in throat	3.50	32.00
Tivoli. Soft rose-pink, lighter in throat.	3.50	32.00
Valeria. Very large, light scarlet	3.50	31.00
Yellow Herald. Amber-yellow with carmine in throat	3.25	28.00
Florist's Superfine. Choice varieties	3.00	26.00



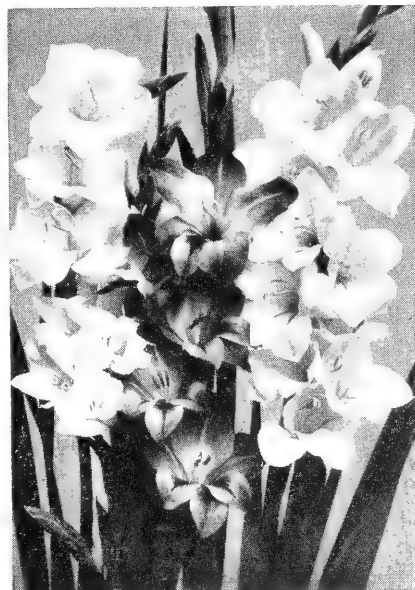
Gloxinias

GLOXINIAS—California Grown

Bulbs ready Jan. to March.

Culture: Same as T. R. Begonias. Gloxinias are fit companions for the tuberous rooted Begonias and the fancy leaved Caladiums. Their richly colored flowers are most outstanding. Gloxinias require a loose, porous soil. Should be kept shaded and watered very carefully, applying water only as needed. Keep the leaves dry. We offer these in selected colors mixed.

Select bulbs, 1½ to 2 in. diam. Per 100, \$20.50.



Gladiolus

HARDY LILIES

Lilium Regale. (Oregon grown.) The flowers are white, shading to yellow in the center, with a pink tinge on the outer edge. A strong grower, some 3 to 4 ft. high.

	Per 100	Per case
7-8 inches—250 to case	\$15.00	\$35.00
8-9 inches—200 to case	25.00	46.00

LILIUM RUBRUM

Rubrum. (Japan.) Handsome heads of flowers with reflexing petals heavily spotted crimson on white ground.

	Per 100	Per case
8-9 inches—200 to case	\$22.00	\$40.00

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants

The highest grade only. Guaranteed analysis. All f.o.b. St. Louis. Price subject to market change.

ARMOUR VERTAGREEN

Contains 5% nitrogen, 10% phosphorus and 5% potash, the three major plant foods, in addition to several other elements essential to successful plant germination.

Consumer's price	Dealer's price
5-lb. pkg., \$0.53.	12 5-lb. pkgs. to case, \$4.08
10-lb. pkg., .95.	6 10-lb. pkgs. to case, 3.78
25-lb. pkg. 1.70	
50-lb. bag 2.55	
100-lb. bag 4.85	Per ton 67.00

ACTIVO COMPOST MAKER

Soil energizer and compost activator. Builds soil to richness by direct application or by making better compost, quicker.

No. 2 Size, (approx. 2 lbs.)	\$1.00
No. 7 Size, (approx. 6 1/4 lbs.)	2.59
No. 25 Size, (approx. 25 lbs.)	6.99

ADCO COMPOST MAKER

Make your own manure. Turn every bit of vegetable waste—leaves, weeds, cuttings, etc., from the garden, straw and cornstalks from the farm—into real manure without animals by the simple ADCO process. Instructions free. 5-lb. pkg., \$1.25; 20-lb. bag, \$3.00.

ARMOUR'S VERTAGREEN 10-8-6

A concentrated fertilizer for lawns, trees, shrubs and ornamental plants. For garden or lawn use. 100 lbs. for 50x100 ft. 80-lb. bag, \$4.50.

ALUMINUM SULPHATE

For making acid soil. Also used in benches that contain too much lime. 10 lbs., \$1.25; 100 lbs., \$3.95.

AMMONIUM NITRATE—32.5 % Nitrogen

80-lb. bag, \$5.60.

BIG CROP 4-12-4

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. For grain and corn use 500 lbs. per acre. 80-lb. bag, \$2.50.

BONE MEAL 2-24

Best grade of steamed bone for general use. 2% nitrogen, 24% phosphoric acid. Used under glass or outside for nearly all plants. 100-lb. bag, \$5.50.

CATTLE MANURE

This is a very high grade material, heat dried, and free from straw, being all pure cattle manure. 50-lb. bag, \$1.80.

COTTON SEED MEAL

An organic fertilizer containing nitrogen, phosphoric acid and potash. A valuable fertilizer for acid loving plants. Will tend to keep the soil acid and supply plant food in one application. Apply at the rate of 5 lbs. per 100 sq. ft. 25 lbs., \$2.50; 100 lbs., \$6.50.

DRIED BLOOD (13% Nitrogen)

For indoor culture of flowering plants, Roses, Carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. Price, 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.00; 100 lbs., \$10.00.

HARDWOOD CHARCOAL (Granulated Fine)

For mixing in soil in seed flats, cutting benches and pot plants. 50-lb. bag, \$3.75.



HORN DUST (13% Nitrogen)

Best used for mixing potting soil; quick acting. 50-lb. bag, \$12.50.

HYDRATED LIME

For sweetening the soil. Used to neutralize acid soil on lawns and gardens. Use 50 lbs. for 20x100 ft. 10-lb. bag, 50c; 50 lbs., \$1.15.

IRON SULPHATE

(Copperas, also Ferrous Sulphate)

For acidifying the soil. Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs., in 5 gals. of water. Spray every 2 weeks, washing off foliage immediately after spraying. 5 lbs., 75c; 10 lbs., \$1.20; 100 lbs., \$3.75.

IOWA HORTICULTURAL PEAT

Black Peat. fine for seed flats and potting soil. Approx. 3-bu. bag, \$2.85.

MAGNESIUM SULPHATE

10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.00.

MANGANESE SULPHATE

5 lbs., \$1.00; 10 lb., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.00.

MILORGANITE

A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. For lawn and garden use 100 lbs. for 50x100 ft.

25-lb. bag	\$1.60
50-lb. bag	2.60
100-lb. bag	4.25

MURIATE OF POTASH—Potassium Chloride

The chief use of Muriate of Potash (62% Potash) is the stimulation of root growth. 10 lbs., \$1.00; 80-lb. bag, \$4.80.

NITRATE OF SODA

16 per cent inorganic nitrogen, readily soluble and quickly available for side or top dressing, or in liquid manures. 10 lbs., \$1.20; 25 lbs., \$2.00; 100 lbs., \$5.50.

ORGANI-GREEN

Will establish thick, green, velvet-like lawns. A natural organic plant food, contains all of the basic and vital elements necessary to fertilize and strengthen your lawns and plants. 50-lb. bag, \$2.50.

PASTURGRO 12-12-12

A well balanced plant food for commercial growers for feeding field crop and grassland pastures. 80-lb. bag, \$4.35.

PEAT MOSS, Horticultural

Adds organic matter, improves the texture, conserves moisture and aerates the soil. Gardeners use Peat Moss for packing and storing bulbs, such as Cannas, Dahlias, etc. Large standard bale, \$4.25.

POTASSIUM NITRATE

Analysis: 16-0-45. 25 lbs., \$5.25; 100 lbs., \$16.00.

SHEEP MANURE

This is a pure, natural manure. It is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. 50-lb. bag, \$1.80.

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants

PLANTABBS

Analysis: 11-15-20. Contains Vitamin B₁. Plantabbs supply a complete balanced plant food of high analysis; therefore, when combined with Vitamin B₁, produce startling results.

25c size—30 Tablets. Dozen\$2.00

50c size—75 Tablets. Dozen 4.00

\$3.50 size—1000 Tablets.

SULPHATE OF AMMONIA

Highly concentrated, quick acting. Particularly desirable for lawns and gardens. 10 lbs. covers 2500 square feet or 50x50 feet. 10 lbs., \$1.50; 100-lb. bag, \$6.00.

SUPER PHOSPHATE

(20% Phosphoric Acid)

Used for Carnation soil and other crops requiring phosphoric acid. For grain and Corn use 500 lbs. per acre. 80-lb. bag, \$2.25.

SWIFT'S BLENN 4-16-16

A well balanced plant food for commercial use on grain crops, alfalfa, soybeans and legumes, and grass pastures. 80-lb. bag, \$3.50.

SWIFT'S BRIMM 6-12-18

Especially adapted for soils and crops needing additional potash. 80-lb. bag, \$3.50.

TRI-GEN ROSE FOOD

A 5-10-5 Rose food made from organic (long lasting) and inorganic (quickly available) materials:

Dealers Consumers

5-lb. bags, 12 to case, \$7.20 case \$1.00 bag

10-lb. bags, 6 to case, 6.12 case 1.70 bag

VIGORO

COMPLETE PLANT FOOD

Available

6% Nitrogen 10% Phosphoric Acid
4% Potash

Consumer's price Dealer's price

1-lb. pkg., \$0.15. 32 1-lb. pkgs. to case, \$2.88

5-lb. pkg., .53. 12 5-lb. pkgs. to case, 4.08

10-lb. pkg., .95. 6 10-lb. pkgs. to case, 3.78

25-lb. pkg., 1.70

50-lb. pkg., 2.55

100-lb. pkg., 4.85Per ton 67.00

VIGORO CG

Commercial growers 12-12-12. Analysis with minor elements. Complete plant food. Pack- ed 80-lb. bags. Per bag, \$4.75.

INSTANT VIGORO

For foliage feeding (leaf spray) of lawns and trees. For regular feedings of house plants and window boxes.

	Number to Case	Dealer Cost	Suggested Consumer
8-oz. can	24	\$11.52 case	\$ 0.80
16-oz. can	24	18.00 case	1.25
3-lb. can	12	21.60 case	3.00
25-lb. drum	4	32.00 case	13.35

RECOMMENDED APPLICATION OF COMMON FERTILIZER MATERIALS

Name of Material	Analysis: Nitrogen—Phosphorus—Potash	Rate of Application	
		Dry	Liquid
Ammonium Sulphate	20-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Nitrate of Soda	16-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Dried Blood	13-0-0	2 lbs. per 100 sq. ft.	Insoluble
Superphosphate	0-20-0	5 lbs. per 100 sq. ft.	Insoluble
Muriate of Potash	0-0-60	1 lb. per 100 sq. ft.	1 oz. per 2 gal.
Iron Sulphate	0-0-0	1 lb. per 100 sq. ft.	1 oz. per 2 gal.

HOZON

Is a proportioner for applying soluble fertilizers and chemicals. Simply connect between water faucet and hose. Each \$2.25.



FERRO FTE (Fritted Trace Elements)

One pound treats 400 square feet of lawn or garden area. Now a new scientific development brings you these trace elements in a safe, easy-to-use, long lasting form called FTE. It contains iron, manganese, copper, zinc, boron and molybdenum.

	Number to Case	Dealer Cost	Suggested Consumer
1-lb. cans	12	\$ 7.20 case	\$1.00
5-lb. bags	6	11.10 case	2.95

FOLIUM—Monsanto Product

The new balanced plant food—is a quickly soluble inorganic fertilizer of 20-20-20 composition (20% nitrogen, 20% phosphorus, 20% potash). It is of the leaf-feeding type.

Type of Package	Per Case Each	Suggested Retail Each
5 lbs.—6 cans to case	\$18.00	\$4.50
1 lb.—48 cans to case	40.00	1.25
2 ozs.—144 packettes to case	24.00	.25

HYPONEX

A scientifically compounded mixture of chemicals in dry form which, when dissolved in water, yields a nutrient solution which is capable of supplying all the essential elements in a properly balanced form necessary for vigorous plant growth.

1-oz. size ..	\$ 0.10	Ctn. of 72 ...	\$ 4.80
3-oz. size ..	.25	Ctn. of 36 ...	6.00
7-oz. size ..	.50	Ctn. of 24 ...	8.00
1 lb.	1.00	Ctn. of 12 ...	8.00
10 lbs.	5.34	25 lbs.	10.00
50 lbs.	16.67	100 lbs.	26.67

NEW PLANT LIFE

A very popular liquid fertilizer. Used for house plants, also in greenhouses.

3-oz. bottles	\$0.29	Ctn. of 24 ...	\$4.64
8-oz. bottles	.59	Ctn. of 24 ...	9.44
Gal. bottles	.....		3.00

RA-PID-GRO

Soluble fertilizer for feeding either through soil or leaves.

	Case	Each
2-oz. env.	36	\$ 6.00 per case \$0.25
6-oz. env.	24	8.00 per case .50
8-oz. size	24	11.04 per case .69
1-lb. size	12	10.00 per doz. 1.25
5-lb. size	6	18.00 per case 4.50
10-lb. size	4	23.34 per case 8.75
25-lb. size	1	14.00

PLEASE NOTE

Items ordered by Parcel Post, please add postage to cover. Thank you.

Terra-Lite*

BRAND

VERMICULITE

PLANT AID

TERRA-LITE — Vermiculite

Terra-lite is mineral mica, heat processed at 2000° F. to expand it into a light sponge-like substance. Terra-lite retains a large amount of air in its microscopic crevices, yet can absorb several times its weight in water. It is not a fertilizer.

Starting Seeds: Perfect air-moisture control for speedy, dense root growth. High rate of germination, seeds easily plucked out for transplanting.

Rooting Cuttings: If you do rooting from cuttings you'll be amazed how quickly they develop in Terra-Lite, what masses of hair roots cuttings have.

Transplanting: Mix Terra-Lite in your soil before transplanting cuttings, seedlings, bushes, shrubs. Regular air-water feeding to roots.

Storing Bulbs: Ideal for this use; keeps bulbs firm and plump, prevents rotting.

TERRA-LITE (VERMICULITE)

New Growing Medium

	Dealer Each	Consumer Each
4-qt. bag	12	\$2.94 bale \$0.40
1/2-bu. bag	6	3.18 bale .90
2-bu. bag	1	1.25 bag 1.85
4 cu. ft. bag (approx.)		
3 1/5 bu.)	1.60	2.25

INSECTICIDES AND FUNGICIDES

NOTE: All prices listed are subject to change. To the best of our knowledge, prices on supply items in this catalog conform to existing price established as of the date this catalog was issued.

NON-WARRANTY: Seller makes no warranty of any kind, express or implied, concerning the use of these products. Buyer assumes all risk of the use of handling whether in accordance with directions or not.

ARAMITE POWDER

Trade name Orthomite

ORTHO-MITE controls such mites as the Citrus Red Mite, Glove Mite, European Red Mite, Pacific Mite and Two Spotted Mite on Apples, Citrus, Grapes, Cherries, Peaches, certain varieties of Pears and other field and nursery plants. 4-lb. bag, \$3.20; case of 12 4-lb. bags, \$33.12.

ARSENATE OF LEAD

For spraying or dusting. A poison for controlling most leaf-eating pests. 1 lb., 75c; 4 lbs., \$1.75.

BENZO-FUME AZOBENZENE PRESSURE FUMIGATORS

1 lb., to each 10,000 cu. ft. For controlling greenhouse red spider in Carnations, Chrysanthemums and many other crops. 1/2-lb. can, 12 to case, \$3.20. 1-lb. can, 12 to case, \$5.50.

BLACK LEAF 11-36 AEROSOL

Standard aerosol formulation containing 2% DDT and 20% active ingredients. Quickly knocks down and kills flies, mosquitoes, ants, roaches, bedbugs, gnats, fleas and silverfish. 12 ozs., each, \$1.10; per case (12) \$8.75.

BLACK LEAF PYRENONE AEROSOL

Entirely new. Contains no DDT. Ideal for home use. Kills flies, mosquitoes, ants, roaches, bedbugs. 12 ozs., each, \$1.49; per case (12) \$11.92.

BLACK LEAF 40

Nicotine sulphate for use against aphids, thrips and other sucking insects. Mainly used for outdoor crops because of its prolonged action.

Retail Price	Dealers Price
1 oz. \$0.39	4 doz. \$12.48
5 ozs. 1.19	dozen 9.52
1 lb. 2.69	six 10.76
2 lbs. 4.79	six 19.16

BLACK LEAF ROTENONE DUST

1% Rotenone and 10% Sulphur on a special carrier material. Controls Mexican Bean beetles and other chewing insects. 1 lb., 39c; 4 lbs., \$1.29.

BLACK LEAF GARDEN DUST

A combination of nicotine, rotenone, pyrethrum. Black Leaf Garden Dust controls many of the common chewing and sucking insects and fungous diseases.

Retail	Dealers Price
1-lb. tins .....\$1.19	Doz. ....\$9.52

BLUE VITRIOL POWDER (Copper Sulphate)

10 lbs\$2.50 100 lbs.\$16.75

BORDEAUX MIXTURE (Dry)

For blight, mildew, rust, etc. Use for dry dusting or spraying. Dilute 1 pound to about 6 gals. of water. Lb., 50c; 4 lbs., \$1.50.

CERT-O-KILL

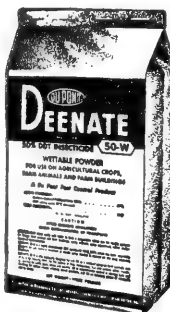
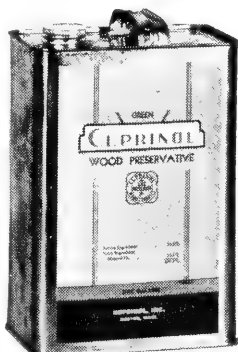
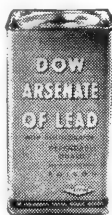
25% Miscible DDT concentrate for greenhouse and garden use.

Quart\$1.50 Gallon\$4.25

CHLORDANE 5% DUST

For control of many garden and lawn pests such as ants, cutworms, chiggers, slugs, snails, grubs, etc. Also for cockroaches, silverfish, carpet beetles, etc.

1-lb. can\$0.49 Case of 24\$7.85
4-lb. bag 1.39 Case of 6 5.56



CHLORDANE 40%—Wettable

A very effective stomach poison for a few chewing pests that are resistant to DDT. Extremely effective in the control of grasshoppers. 4 lbs., \$3.25.

CRYOLITE

For Control of Chewing Insects

Effective control of Mexican Bean beetles and other beetles, such as Potato beetles, striped Cucumber beetles, Asparagus beetles, flea beetles. 1-lb. can, 45c; case of 25 cans, \$7.50. 6-lb. bag, \$1.65; case of 8 6-lb. bags, \$8.76.

WOOD PRESERVATIVE

Cuprinol for Florists No. 14

Especially recommended for dipping and will result in a considerable saving to the grower in the protection of flats and stakes. In dipping the flats should be immersed in the liquid from 4 to 5 minutes. 5-gal. can, \$2.85 per gal.; 50-gal. drum, \$2.65 per gal.

CUPRINOL No. 10

For wood. Dyed green for use on exterior and interior surfaces. Stops rot, fungus and wood destroying insects. Covers approximately 400 sq. ft. to the gallon. Will not harm plants.

1 gal.	per gal., \$4.70
5 gals.	per gal., 4.40
50 gals.	per gal., 4.20

CUPRINOL CLEAR No. 20

This grade is for use over stains or where surfaces are to be left a natural finish. Gal. \$4.70; 5 gals., \$22.00.

CYANOGAS G-FUMIGANT (Calcium Cyanide)

Excellent to control white fly, mealy bugs, leaf tiers and many other hard to control insects. Use 1/4 oz. per 1000 cu. ft. 5-lb. cans, \$4.25; 25-lb. cans, \$13.75.

CYANOGAS FOOT PUMP

Especially designed for applying Cyanogas A-Dust. Ruggedly constructed; lasts indefinitely. Price, \$12.50.

CYANOGAS "A"—DUST

For outside use in killing ants, rats, moles, wood-chucks, gophers and ground squirrels. 1 lb., \$1.25; 5 lbs., \$4.25; 25 lbs., \$13.75.

CYANOGAS—Ant Killer

Does not rely on feeding habits of the ants. It kills them with gas. 4-oz., 50c size. Doz., \$3.60.

DDT 5% DUST

For dusting plants. Also used in storing gladiolus bulbs as a protection against thrip. 4 lbs., \$1.10.

DDT 75%—Wettable Powder

A wettable powder containing 75% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. 3-lb. pkg., \$1.60.

DDT 50%—Wettable

A wettable powder containing 50% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. 4-lb. pkg., \$1.60.

DETEX—25% DDT Liquid

Liberty's DETEX. Correct dilution instructions on each can. Controls thrips, midge, leaf rollers, mealy bugs, leaf tiers, aphids, leaf hoppers, white fly. Qt., \$3.50; gal., \$11.00.

INSECTICIDES AND FUNGICIDES—Continued

D-X AERO SPRAY

An aerosol type spray bomb for controlling insects on flowering and foliage house plants. Contains three powerful insecticides—pyrethrum, rotenone and piperonyl cyclonene. Safe and effective on all house plants. 10-oz. spray bomb, \$1.50; case of 24 10-oz. spray bombs, \$23.40.



D-X INSECT SPRAY

A rotenone, pyrethrum, cyclonene spray non-poisonous to man that kills practically all the sucking and chewing insects that attack flowers, fruits and vegetables.

1-gal. can	.....\$14.50	4-oz. can	.....\$1.00
1-qt. can	..... 5.50	1-oz. bottle	.... .35
1/2-pt. can	..... 1.75		



DOGZOFF—Liquid

Protection against all animals. Spray on lawn or around objects to be protected. Lasts a long time. 3-oz. bottle, 75c; doz., \$6.00. 12-oz. Aerosol Dispenser, \$2.25; Doz., \$18.00.

DIKILZ DUST

Hammond's DDT dust for control of leaf hoppers, flea beetles, various caterpillars and similar insects on flowering and vegetable crops. 1 lb., 40c; 5 lbs., \$1.20.



DOWFUME MC-2

A methyl bromide compound that has been found excellent to kill all weeds, weed seeds and soil insects including nematodes. It is used at the rate of 1 lb. per 100 sq. ft. applied under a gas proof cover, Visqueen Film or Sisal Kraft. Permits planting within 48 hours. 1-lb. can, \$1.00; case of 24 1-lb. cans, \$20.40. Jiffy Applicator with 20 ft. plastic tubing, \$5.25; with 10 ft. plastic tubing, \$4.25.

MC-2 TRIAL KIT

Contains 4 1-lb. cans of MC-2 with Jiffy Applicator and 10 ft. tubing and a plastic cover 8 ft. by 16 ft. Complete Kit \$11.00.

DOWKLOR 5% DUST

A finished dust formulation for use against both agricultural and household insect pests. 1-lb. duster cans, 65c; doz., \$5.40.

D-WAX

Although D-WAX permits the transplanting of trees and shrubs at any time of year, it is, of course, true that best results will be obtained with D-WAX during favorable seasons for transplanting. Gal. \$2.50; 5 gals., \$11.50.

DRY LIME-SULPHUR

For dormant spray use 12 to 15 lbs. to each 50 gals. of water. 1-lb. can, 60c; 5-lb. can, \$2.25; 25-lb. drum, \$7.00.

DU PONT FLORAL DUST

For Roses and other flowers, too. Contains "Fermate" and sulphur for black spot, powdery mildew, rust of roses and many diseases of other flowers. Also contains methoxychlor and rotenone for Japanese beetles, Rose chafers, aphids and many other insects. 8 ozs., 89c; 1 lb., \$1.15; 3 lbs., \$2.50.

DU PONT FRUIT TREE SPRAY

Recommended for control of many insects and fungous diseases affecting Apples, Peaches, Cherries, Pears, Plums, Quince, Strawberries, Currants, Gooseberries. One pound makes about 13 gallons of spray. 1 lb., \$1.15; 3 lbs., \$2.50.



DUPONT SPREADER-STICKER

Effective and economical wetter, spreader and sticker. We recommend its use with all sprays for greater efficiency.

Pint cans (1 lb.)	.....\$1.15
Gal. cans (8 lbs.)	..... 7.50

DU PONT VEGETABLE GARDEN DUST

Safe to use close to harvest. Contains "Parzate" fungicide, a safe control for blights of Tomatoes, Potatoes, downy mildew of Squash, Melons and Cucumbers. Contains methoxychlor and rotenone for control of Bean beetle, Cabbage worms, Potato beetle, Japanese beetle and many other insects. 8 ozs., 89c; 1 lb., \$1.15; 3 lbs., \$2.50.

DU PONT TOMATO DUST

Especially for control of Tomato blights and insects. Combines the safer insecticide, Du Pont methoxychlor, with famous Copper-A fungicide. Use as dust or spray. 2-lb. bag, 98c.



END-O-PEST

Easy to use End-o-Pest. It comes in an efficient exclusive dust gun package. Just a few quick strokes produces a thin cloud of dust.

	Retail	Dealers Price
8 oz. applicator gun,	\$0.85	24 to case, \$13.68
8 oz. refill cartridges,	.65	24 to case, 10.32

"EVER GREEN" GARDEN SPRAY

"Ever Green" garden spray is one of the most powerful general garden insecticides. It kills many of the common varieties of both chewing and sucking insects. A Pyrethrum spray for aphids, leaf rollers, leaf hoppers, midges, tarnished bugs, white fly.

	Dealers Price
1 oz.	\$0.35
Doz.	\$ 2.80
6 ozs.	1.15
Doz.	9.25
Pint	2.45
Doz.	20.90
Quart	4.10
Doz.	36.00

FERMATE—Fungicide (Ferbam)

This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on Roses, leaf spot on Chrysanthemums, Snapdragon rust, anthracnose of Tomatoes and brown rot of Cherries. Recommended for use against all fungi and mildews. 1/2-lb. pkg., 75c; doz., \$6.00. 3-lb. pkg., \$2.40; case of 12 3-lb. pkgs., \$25.80.

FISH OIL SOAP

For use as a spreader in using spray materials. Also as a wash on various plants for cleansing foliage. With nicotine sprays use 3 to 5 lbs. to 50 gals. of water. 1/2 pt., 50c; pt., 90c; qt., \$1.60; 25-lb. pail, \$7.50.

FORMACIDE FORMALDEHYDE DUST

For the control of damping off seedlings. Also a disinfectant against soil diseases. 1 lb., 95c; 5 lbs., \$2.50.

FLOWERS OF SULPHUR

A powder used to check mildew, dry rot and other fungous disease. 5 lbs., 75c; 10 lbs., \$1.20; 50-lb. bag, \$3.50.

INSECTICIDES AND FUNGICIDES—Continued

GRAPE and ROSE DUST (Hammond's)

Basically a microfine sulphur compound useful to control blights, powdery mildew and black spot. 1 lb., 45c; 5 lbs., \$1.50.

HAMMOND'S "75" DUST

As a general purpose dust No. 75 Stabilized Rotenone (contains 3/4% Rotenone) has proven a valuable aid to commercial growers and gardeners. Its highly toxic, non-poisonous ingredients are thoroughly dispersed and inter-mixed to give a perfectly uniform material. Kills by both contact and stomach action. Lb., 50c; 5 lbs., \$1.50.

LINDANE—25% Emulsifiable

Greenhouse and nursery plants, to control aphids, thrips, loopers, leaf rollers, plant bugs, white flies, leaf miners, flea beetles and diabrotica beetles. Also recommended for livestock barns, dairy buildings to control flies, roaches, ants and mosquitoes. Qt. can \$4.75; gal. \$15.00.

LINDANE—25% Wettable

For Livestock Barns and Other Buildings. As a residual spray for control of flies, roaches, ants and mosquitoes, use at the rate of 10 pounds in 100 gallons of water. Apply to walls, ceilings, beams, window sills and other surfaces where flies come to rest. 1-lb. pkg., \$2.50.

MALATHON—50% Malathion Emulsion

Concentrate for control of mites, aphids, white flies and scale. Pint, \$2.95; gal., \$13.50.

MARLATE 50 POWDER

MARLATE 50 is effective in the control of Mexican Bean beetle, Asparagus beetle, Cucumber beetles, flea beetles, Japanese beetle, leaf hoppers on Beans, Cabbage worms and Melon worms. As a spray for the control of the above insects use 2 to 3 lbs. of MARLATE 50 per 100 gals. of water. 4-lb. pkg., \$3.25; case of 12 4-lb. pkgs., \$33.60.

METHOXYCHLOR POWDER

Du Pont 50% Technical Methoxychlor Wettable Powder is a versatile product which may be used with safety in the garden, around the home, and on warm-blooded animals. It is designed especially for water spray but may also be applied as a dust. Comes in a handy 8-oz. can which makes about 17 gallons of spray for general garden use. 1/2-lb. can, 75c.

MBX SOIL FUMIGANT

New rapid setting fumigant. Especially toxic to nematodes, eelworms, soil insects, millipedes, centipedes, pillbugs, etc. Permits replanting in 2 to 4 days. Water seal is only covering needed. 2 3/10 gals. to 1000 sq. ft. 5-gal. drum, \$19.00.

MBX SOIL FUMIGANT APPLICATORS

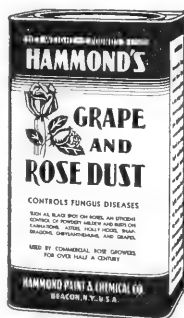
Highly satisfactory hand applicators. Adjustable for varied dosage. Will give years of service. Each \$23.00.

MIKE SULPHUR—Wettable Powder

More than 15 times finer than 325-mesh sulphur. Wets instantly and is the preferred wettable sulphur because of its fineness. Lb., 40c; 4-lb. bag, 65c; case of 12 4-lb. bags, \$6.00.



50% Technical Methoxychlor



MOLITES RODENT KILLER

Molites are the new, improved "gas" type rodent destroyer—offering a more effective method of controlling moles, rats, gophers, field mice and other underground pests. Packed 3 dozen to a carton, each 15c; doz., \$1.50. Dealer's price, case of 3 doz., \$3.00.

MOLE NOTS

Life saver for lawns and seed beds. Trial size, 8 nots, 35c; display carton of 12 pkgs., \$2.80.

PACKET MOLE BAIT

Ready to use pellets made of poison peanuts, insects, etc. Punch small holes and drop in mole runways. 1 1/4-oz. pkg., 29c; 5 ozs., 79c; 18-oz. jar, \$2.00.

MOUSE-NOTS

Mouse-Nots are conveniently packaged and easy to use. Just place Mouse-Nots in attics, cupboards or wherever mice are in evidence. Excellent too for leaving around in beach cottages, cabins, summer homes, etc., that are closed over the winter season. Pkg., 25c. Dealer's price, \$2.00 per doz.

NAPHTHALENE FLAKES

Many growers spread these under benches to repel thrips, red spider and other pests. 1-lb. box 35c; 12 for \$3.60.

NICO-FUME POWDER PRESSURE FUMIGATOR

Insures better distribution of fumes and the most popular method of nicotine fumigation. 1/2-lb. cans, each 50c; 12 cans, \$4.60. 1-lb. cans, each 75c; 12 cans, \$7.95.

NICO-FUME LIQUID

For spraying and fumigating under glass. 2-lb. tin, \$3.45; 8-lb. tin, \$11.95; 40-lb. drum, \$51.60.

NNOR

Rotenone combined with special diluents which in themselves are effective insecticides. Gives high kill when used as a general greenhouse spray for red spider, (in young, adult and egg), green aphid, leaf tiers, leaf hopper, mealy bugs. Gal., \$10.00.

OPTOX (Formerly called Hitox)

A Pyrethrum-Rotenone spray. Optox is a contact insecticide as well as a stomach poison and may be used for the control of the chewing and sucking insects: aphid (plant lice), leaf hopper, thrips, white fly, leaf rollers, red spider, mildew and mealy bug. 1-pt. can, \$2.00; 1-qt. can, each \$3.70; 1-gal. can, each \$12.00.

ORTHOCIDE 406

ORTHOCIDE 406 Wettable will be the most versatile fungicide on the market. It gives excellent fungus control on fruits and vegetables. ORTHOCIDE 406 can be used with safety and confidence for the control of Apple scab, black rot, bitter rot, Brook's fruit spot, sooty blotch and fly specking. 5-lb bag, \$4.50.

ORTHOMITE

(See Aramite Page 30)

INSECTICIDES AND FUNGICIDES—Continued

**THE MODERN
SCIENTIFIC WAY
WITH**

LETHALAIRE

Reg. U. S. Pat.-Off.

TEPP BOMBS—Lethal- aire G-52 5% Tepp

Contains T.E.P.P. technical Tetraethylpyrophosphate. Apply only with gas mask protection. Will treat 400,000 cubic feet. Controls red spider, aphids and some mealy bugs. **Tepp Bombs \$6.50 each.** Deposit on cylinders, each \$3.75.

LETHALAIRE AEROSOLS

Virginia Smelting's "Lethalaire." The ideal way to control insects. Fast, efficient and economical. Four seconds treating time to 1000 cubic feet.

ARAMITE AND LINDANE Lethalaire G-61

An aerosol insecticide containing 10% Aramite and 2% Lindane for use on greenhouse ornamentals only. Lethalaire G-61 is recommended for the control of two spotted spider mites, various species of aphids, thrips, mealy bugs and white flies on Roses, Chrysanthemums and Carnations. **G-61, \$12.50 each,** plus deposit of \$3.75 on each cylinder.

LETHALAIRE G-53—5% DDT

Effective in controlling white fly, leaf tier, Chrysanthemum thrip, aphid and midge. **G-53, 5% DDT, \$8.50 each,** plus deposit of \$3.75 for cylinder.

PARATHION BOMBS

Lethalaire G-54 10% Parathion

Contains Thiophos "3422" Brand of Parathion. Controls a large number of pests. Leafrollers, moths, rootworms, cockroaches, white fly, mealy bugs, thrip, red spider, sowbugs and aphids. Apply only with gas mask protection. Will treat 200,000 cubic feet. **G-54, \$8.00 each,** plus deposit of \$3.75 on cylinder.

Greenhouse AEROSOL BOMBS

	Each
G-52 TEPP	\$ 6.75
G-53 5% DDT	8.50
G-54 PARATHION	8.00
G-61 Aramite and Lindane	12.50
G-62 Malathion	9.75
Deposit on cylinders	3.75
(Deposit on cylinders refunded when they are returned to us prepaid.)	

Deposit on cylinders will be refunded when empties are returned.

OVOTRAN—50% Wettable

Contains the new material K-6451 and is effective against red spider, both adult and egg stage. Can be used as spray or painted on steam pipes. A new miticide for control of spotted mite on Roses and certain mites on shade trees and ornamental shrubbery. **4-lb. bag, \$5.00.**

PARATHION (DOW'S)

15% Wettable Powder

Dow Parathion-15% wettable may be used on Apples for the control of mites, red banded leaf roller, mealy bugs and wooly aphid, also for the control of mealy bugs, aphids, leaf tiers and mites on nursery stock and ornamental shrubs. Use at the rate of 1/2 to 1 1/2 lbs. per 100 gals. of water. **1-lb. pkg., 85c.**

PARATHION—25% Miscible

Controls a large number of pests. Leafrollers, moths, rootworms, cockroaches, white fly, mealy bugs, thrip, red spider, sowbugs and aphids. **1-gal. can, \$8.50.**

PARADOW CRYSTALS

Pure Paradichlorobenzene

Kills Peach tree borers. Best applied in fall but may be used in spring. Also useful to control slugs.

5 lbs.	\$2.00
25 lbs.	7.50
100 lbs.	25.00

PARA-SCALECIDE

Para-Scalecide is a combination of Paradichlorobenzene and Scalecide, which makes a liquid application for Peach borers that is safe and effective on young or old Peach trees. Para-Scalecide is diluted 1 gallon to 7 gallons of water and poured against the base of the trees 4 to 6 inches above the ground in the fall or spring. It requires approximately 1/2 pint for 1- to 2-year-old trees, 1 pint for 3-year-old trees. **Qt., \$1.45; gal., \$3.25.**



PARZATE POWDER

Du Pont fungicide for control of certain plant diseases and rust on Snaps and Carnations. **3-lb. bag, \$2.85; case of 12 3-lb. bags, \$31.20.**

PLANETO

Planetary Chemical Co. 61% Chlordane emulsifiable. **Quart \$4.20; gallon \$10.25.**

RAT-NOTS

The household or 25c size of Rat-Nots contains nine individual "Nots." Usually sufficient to exterminate nine rats. **Pkg., 25c. Dealer's price, \$2.00 per doz.**

RED ARROW GARDEN SPRAY

(Pyrethrum-Rotenone.) Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. **1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$5.00.**

SCALECIDE

Spray every fruit tree, shade tree, shrub and vine that drops its foliage in winter with Scalecide, 6 gallons to 100 gallons of water (1 to 15.) Spray any time after the foliage is off in the fall or before the buds show in the spring, provided the temperature is warmer than 40 degrees. **Qt., \$1.15; gal., \$2.75; 5 gals., \$10.75.**

SLUG SHOT (Hammond's)

An old favorite dust, effective against leaf eating insects and disease. **Lb., 60c; 5 lbs., \$1.95.**

SNAROL

Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. **Lb., 35c; 6 lbs., \$1.50; 10 lbs., \$2.25.**



INSECTICIDES AND FUNGICIDES—Continued

SNAROL

Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. Lb., 35c; 6 lbs., \$1.50; 10 lbs., \$2.25.

SODIUM SELENATE

Applied to the soil it is taken up by the plant tissues and kills the insects that may feed on treated plant. Especially effective for red spider on Snaps, Carnations and Mums, leaf nematodes. 4 ozs., \$2.75; 1 lb., \$7.00.

SPREADER-STICKER—DUPONT

(See Page 31)

SULPHURON

DuPont Wettable Microfine Sulphur. 6-lb. bag, 85c; case of 8 6-lb. bags, \$5.50.

SULFOCID

A sulphur fungicide for fruits, vegetables and flowers. Use 1 qt. to 50 gals. water. Add spreader. 1-gal. can, \$3.00; 1-qt. can, \$1.50.

TALC

Used as a filler in mixing insecticides and dusting. 50-lb. bag, \$2.50.

TARTAR EMETIC

For thrip, on Glads and Onions. Use 2 ozs. with 8 ozs. brown sugar to 3 gals. of water or 4 lbs. with 16 lbs. brown sugar to 100 gals. water. Lb., \$1.00; 5 lbs., 90c per lb.; 25-lb. drum, 80c per lb.

TREE TANGLEFOOT (Caterpillar Paste)

A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. Lb., \$1.50; 5 lbs., \$7.00.

TRI-GEN

For Aphis, Mildew, and Black Spot on Roses

All-purpose spray that gives positive plant protection. Kills all insects (chewing and sucking), controls mildew and black spot.

E Kit (Makes 10 qts.)	.....	\$1.50
A Small Kit (makes 16 qts.)	Protects 12 to 20 Roses for season	..... 2.35
B Medium Kit (Makes 64 qts.)	Protects 50 to 80 Roses for season	..... 6.00
C Large Kit (makes 32 gals.)	Protects 100 to 160 Roses for season	..... 9.00
D Estate Kit (makes 128 gals.)	Protects 400 to 600 Roses for season	..... 30.00

VAPOTONE

Contains tetraethyl phosphates. The new organic insecticide that has been giving such spectacular results against red spider and aphids on Roses, Carnations, Gardenias, Mums, etc.

4 ozs.	.....\$1.00	Case of 24	...\$16.00
Pint	..... 2.75	Case of 12	... 22.00
Gallon	.....		11.90

VOLCK, NURSERY

The scientific insecticide for nursery, greenhouse and garden. Controls scale insects. An oil spray used against mealy bugs, scale insects, red spider and white fly.

4 ozs.	.....\$0.35	Case of 24	...\$5.60
Pint	..... .70	Case of 12	... 5.60
Gallon	.....		2.85
5 gallons	.....		8.50

WARFARIN - BLACK LEAF READY MIXED BAIT

A scientific method for the control of rats and mice—the most destructive animals in the world. Baits containing warfarin, the new rodent killer. 1-lb. carton, 79c; case of 2 doz., \$12.64.



Soil Conditioner W



ZERLATE

A newly developed fungicide possessing excellent adhesive properties on plants due to its resistance to washing off by rains and removal by other weathering factors. Although specific directions have not been furnished by DuPont as to its use on greenhouse crops, it has been used principally the same as Fermate. 3-lb. pkg., \$2.40; case of 12 3-lb. pkgs., \$25.80.

ZINC SULPHATE

Used as a softener in arsenate sprays on foliage, such as Peach trees, susceptible to arsenical injury. Use 2 lbs. Zinc Sulphate and 3 lbs. Hyd. Lime to 100 gals. water. 1 lb. 35c; 5 lbs., \$1.25; 25 lbs., \$5.00.

KRILIAM

SOIL CONDITIONER Special MERLOAM Formulation

The new chemical soil conditioner which, if applied to problem soils such as "hard clay" will change the mechanical structure to a loose, crumbly consistency. Treated soil readily absorbs and retains moisture, is better aerated. Roots more easily penetrate the loose soil, and fertilizer is made more readily available to plants.

Krilium can be used to advantage in greenhouse benches, in potting soil, outside beds and in building or rebuilding lawns.

MERLOAM FORMULATION

A 25% active powder for dry application. Convenient for use by the home gardener. One pound treats 16-20 sq ft. 3 inches deep.

1-lb. Shaker can	\$1.39	Ctn. of 12	...\$11.12
5-lb. pkg.	.... 4.95	Case of 6	.... 19.80

LOAMAKER FORMULATION

Full strength (100% active) Krilium for commercial or large scale use. One pound treats 100 sq. ft., 3 inches deep.

10-lb. pkg.	...\$25.00	Case of 4\$75.00
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FUNGICIDES FOR SEED, GRAIN, BULBS

NEW IMPROVED CERESAN

For Wheat, Oats, Barley, Cotton, Sorghums, Rye, Flax and Peas.

1 lb.\$ 1.30	40 lbs.\$35.85
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SEMESAN

Used as a dust or in solution with water for treatment of seeds, corms, bulbs and seedlings.

Reduces seed rotting and damping-off.			
12-oz. can	...\$2.85	25-lb. can	...\$72.65

SEMESAN BEL

For Irish and Sweet Seed Potatoes. A dip disinfectant for seed Potatoes. One pound treats from 60 to 80 bushels.

2 ozs.\$0.50	1 lb.\$2.30
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ARASAN

For Corn, Peanuts and certain Vegetables. Reduces seed decay and damping-off for treating all your seed.

8 ozs.\$1.00	2 lbs.\$3.20
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CERESAN (2%)

For Cotton, Peas and Narcissus.

1 1/2-lb. can\$1.30
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CERESAN M

For Wheat, Oats, Barley, Rye, and Peas.

14 ozs.\$1.25	3-lb. can\$3.55
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TERSAN 75

A DuPont fungicide for golf and lawn turfs, will prevent large brown-patch and dollar spot. 3-lb. bag, \$6.75.

PLANT HORMONES

HORMODIN POWDER

Root Cuttings—Faster—Better

No matter what plant you are growing from cuttings, you will have better results if you treat them with Hormodin.

Powder No. 1—Used on most soft wooded subjects grown by florists. 1 3/4-oz. tin, 50c; 1 lb., \$3.00.

Powder No. 2—For more difficult subjects. 1 3/4-oz. tin, 75c; 1 lb., \$4.50.

Powder No. 3—Used for hard wooded and hard to root items. 1-oz. tin, \$1.00; 1/2 lb., \$4.50.

Combination Package consisting of Powder No. 1, No. 2 and No. 3, in one carton. Each carton, 75c.

ROOTONE

Reg. U. S. Pat. Off.

HORMONE POWDER FOR CUTTINGS

Rootone, the plant hormone powder, for cuttings, seeds, tubers and bulbs. Just dip the base of the cutting or slip in Rootone, set in sand.

1/4-oz. pkg., 25c size, doz. pkgs. \$2.00

2-oz. jars (up to 3,000 cuttings) 1.00

1-lb. pkg. (up to 30,000 cuttings) 5.00

ROOTONE No. 10

2 1/2 times stronger than the standard. For woody cuttings. For slow to root Evergreen cuttings.

2-oz. jar \$ 2.00

1-lb. can 10.00



FRUITONE

FOR BETTER SET OF FRUIT OR SEED

This plant hormone spray will help develop a better set and a bigger crop of Tomatoes. **Dilution:** 2 ozs. to each 25 gals. of water. 2 1/5-oz. pkt., 25c per pkt.; dozen, \$2.00. 2-oz. can, \$1.00.

TRANSPLANTONE

Transplantone, the hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees and plants in general, take root faster. 3-oz. cans, \$1.00; doz., \$8.00. 1 lb., \$4.00.

APP-L-SET

A plant hormone, containing Alpha Naphthyl Acetic Acid, to reduce pre-harvest drop of Apples and Pears. 1/4 pound makes 100 gallons of spray. 1/4-lb. can, 60c; case of 24 cans, \$9.60.

COLOR-SET

Color-Set has been found effective on all Apple varieties tested when applied just before the beginning of normal pre-harvest dropping of fruit. Color-Set will control the fruit drop and improve fruit color. Follow directions on package. 1/4 pt., 90c; case of 24, \$15.84.

WEED KILLERS

Note: Weed Killers must be used with extreme care around the greenhouse. Equipment used in spraying weed killers should not be used for spraying plants.

AMMATE WEED KILLER

Controls poison ivy and other noxious weeds. Keeps walks and roads clear with little trouble. Non-poisonous, fire retarding, clean, odorless, effective. 3/4-1 lb. diluted in 1 gal. of water will treat 100 sq. ft. 2-lb. jar, \$1.15; 6-lb. jar, \$2.95; 50-lb. drum, \$12.50.



ESTERON BRUSH KILLER

Esteron Brush Killer contains a mixture of low volatility propylene glycol butyl ether esters of 2,4-D and 2,4,5-T. Having a high concentration of active chemicals, it gives control over nearly every type of brush and in addition will give control over broad-leaved weeds. Esteron Brush Killer is recommended for the spraying of mixed species of brush. 3 to 4 quarts in 100 gallons of water. 1 qt., \$3.55; gal., \$9.90.

DOW ESTERON 245

Recommended for use in controlling herbaceous and woody plants resistant to 2,4-D. 2 to 3 quarts in 100 gallons of water. Gal., \$13.35.

DOW ESTERON WEED KILLER Formula 44

Esteron 44 is a powerful 2,4-D weed killing formulation especially effective against many woody plants and certain hard-to-kill herbaceous weeds. Such plants as alder, aspen, birch, box elder, Canada thistle, field bindweed, goldenrod, Russian knapweed and many others. Use at the rate of 1 qt. of Esteron 44 in 100 gals. of water. 1-gal. can, \$4.85.

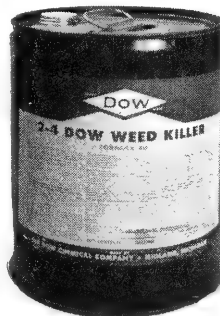
END-O-WEED

Available in sizes from half pint to gallon and in packets for small area spraying. 8 ounces of End-o-Weed treats 2000 sq. ft. of lawn. Kills dandelions.

Dealer Cost
1/2 pint (24 to case) 98c pint \$14.16 case
1 quart (12 to case) \$2.69 quart 19.44 case

DOW SODIUM TCA 90% WEED KILLER

Dow Sodium TCA 90% offers a practical means of controlling noxious perennial grasses. This new Dow weed killer will kill Johnson grass, Bermuda grass. Dilution range is 1 pound in 1 to 2 gallons of water. If 100 pounds of Sodium TCA is required per acre, 100 to 200 gallons of water is suggested for proper application. 10-lb. can, \$6.00; 50-lb. drum, 48c lb.



2-4 DOW WEED KILLER 40

High in acid content and economical to use. It is ideal for low volume application. One pint treats 1 acre of small grains and grass seed crops; 2/3 pint treats 1 acre of Corn, Flax and Sorghum; 2 to 3 pints treat 1 acre of mowed turf such as a golf course; 2 teaspoonfuls make 1 gallon of spray which covers 250 square feet.

5-gal. drums gal. \$4.58
1-gal. cans gal. 4.80

HAMMOND'S WEED KILLER

Weeds, poison ivy and all vegetation are easily killed with this highly concentrated (stands dilution with 40 parts of water), easy-to-use material. Simply mix with water, apply with sprinkling can and all vegetation withers and dies. Do not use on lawns. Qt., 70c; gal., \$2.00; 5 gals., \$8.00.

C. W. K. CHICKWEED KILLER

Active ingredient Sodium Arsenite and Potassium Cyanate. For seedling chickweed dissolve 1 ounce in 2 gallons of water to treat 250 sq. ft. For mature chickweed double this quantity. 6-oz. can, \$1.00; 1 lb., \$2.00.

P. C. 80 CRAB GRASS KILLER

Contains 80% Potassium Cyanate plus a special wetting agent. Not toxic to the soil and easy to use. For seedling crab grass mix 1 ounce in 2 gallons water to treat 300 sq. ft. For mature crab grass use 2 ounces in 2 gallons water to treat 300 sq. ft. 5 ozs., \$1.00; 1 lb., \$2.75; 6 lbs., \$10.50.



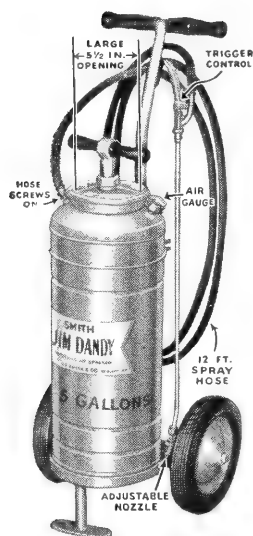
ZOTOX

Kills crab grass without permanent injury to lawn.

	Packed	Shipping	Retail	Dealer
Size	Per Case	Weight	Each	Cost
8 ozs.	12	12 lbs.	\$ 1.00	\$ 7.20
16 ozs.	12	24 lbs.	1.50	10.80
32 ozs.	6	20 lbs.	2.50	9.00
5 lbs.	2	16 lbs.	4.50	5.40
30 lbs.	1	65 lbs.	22.50	15.75

SPRAYERS

Prices subject to change without notice.



SMITH JIM DANDY CART SPRAYER

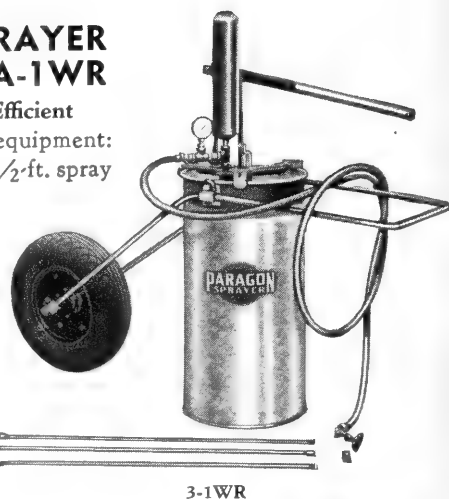
For all kinds of spraying. Tank capacity 5 gals. 21 in. high. 8 $\frac{3}{8}$ in. diameter. Has air pressure gauge. Hose 12 ft. $\frac{3}{8}$ -in. best grade. 2 ft. heavy brass extension. Automatic adjustable nozzle. Balloon tired wheels on roller bearings. Shipping weight 34 lbs. Price: \$34.50.

GREENHOUSE SPRAYER PARAGON No. 3A-1WR

Economical—Durable—Efficient
No. 3A-1WR. Standard equipment: 10-ft. special spray hose, 7 $\frac{1}{2}$ -ft. spray pipe in 3 sections, 3 spray nozzles, all steel truck with one 16x4.00 rubber-tired wheel. Capacity, twelve gallons. \$49.95.

No. 3-1W. Same as above with steel wheel. \$32.95.

Air Gauge for above sprayers, No. 3A-1WR and 3-1W, \$3.50 extra.



3-1WR

No. 335G HUDSON CLIMAX

An excellent sprayer for all-around general use. $\frac{3}{2}$ gallons. Shipping weight 10 lbs. Each \$10.80.

No. 341G HUDSON Jr.

Hudson Climax Junior provides all of the features of the Climax, but in 2 $\frac{1}{2}$ gallon size. Each \$9.80.

SPRAY NOZZLES

For compressed air sprayers.
No. 176. PERFECTION SHUT-OFF. With nozzle. Each \$2.25.
No. 161. PERFECTION SHUT-OFF. Nozzle; 2-ft. hose; 2-ft. extension. Each \$3.50.
No. 166. STRAIGHT FOG NOZZLE. Each 75c.
No. 168. ANGLE FOG NOZZLE. Each 75c.

No. 149. SHUT-OFF COCK. Each 1.35
No. 75. MALE HOSE COUPLING. Each40
No. 73. FEMALE HOSE COUPLING. Each .. .40



SMITH No. 32 G. F. RITESIZE

Funnel top for all spraying purposes. Capacity 2 gals. Armco steel tank. 5 ft. hose, extension rod, adjustable nozzle. Each \$7.90.

SMITH LIGHTNING SPRAYER

No. 24GO LIGHTNING—Open Top. Tank capacity, $\frac{3}{2}$ gallons. Armco zinc-grip. Embossed graduate marks for measuring liquids. Electric seam welded with dome top. \$10.50.



Smith Sprayers

It is made of heavy tin and Armco zinc-grip steel.
No. 3G. SPRAYER WITH GALVANIZED TANK. Capacity 1 qt. Each \$1.25.
No. 10G. CONTINUOUS. Capacity 1 qt. Galvanized. Each \$1.90.



BLIZZARD SPRAYERS

The finest and most attractive sprayer ever made. Has brass twin nozzle; seamless brass pump; highly polished copper tank. 1 qt. Blizzard, all brass, \$4.50.



Smith Blizzard Continuous Sprayer

ADJUSTABLE NOZZLE

Throws broad fog mist, or long distance spray for trees. $\frac{1}{4}$ -inch pipe connection.



No. 147 Each\$1.75

HIGH PRESSURE SPRAY HOSE

High Pressure—500 lbs.

$\frac{3}{8}$ in., 3-ply—Uncoupled. Per ft.\$0.24

DOBBINS No. 54GS "BIGHEAD"

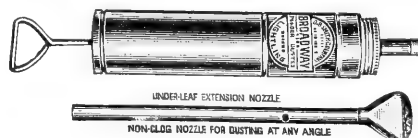
New pump head construction produces absolute pressure seal. Tank, galvanized steel, 4 gallons. One in shipping ctn., wt. 12 lbs. Each \$12.50.



TRI-SODIUM PHOSPHATE

Used for washing and cleaning out sprayers. Be sure to rinse thoroughly to avoid corrosion of the metal. Use 2 tablespoons to 1 gallon of water, or 3 lbs., to 100 gallons of water.

5 lbs.\$1.25 10 lbs.\$2.00
25 lbs.3.50 50 lbs.5.00



SMITH No. 39 DUSTER

It is a very popular size for home gardens, and for dusting different kinds of powder insecticides. Each \$1.90.

HUDSON ADMIRAL DUSTER

Stoutly made for long service. Easy to fill and operate. Holds $\frac{1}{2}$ lb. of dust per filling.
No. 766 Each\$1.90

GOGGLES

WILSON MONO GOGGLES. Light weight goggle for protection of eyes while dusting or spraying. Each \$2.25.

RESPIRATOR

Wilson Agrisol chemical cartridge respirator for protection in outside spraying of Parathion DDT, or Nicotine. Each \$4.60.

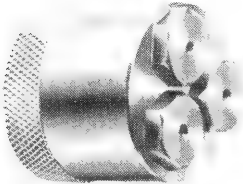
SPRAYERS AND SUPPLIES

Prices subject to change without notice.

GOODYEAR RUBBER GARDEN HOSE

We consider this the finest garden hose money can buy. Full, smooth, tough inner tube, reinforced with two braids of heavy rayon cord. Outer cover is attractive green. Goodyear Emerald Cord, 50-ft. length $\frac{3}{4}$ in. with brass couplings, \$15.75. Goodyear Elm Green, $\frac{3}{8}$ in., single braid of heavy rayon cord, 50-ft. length with brass couplings, \$8.50.

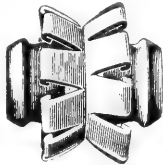
FOGG-IT-NOZZLE



This fog spray will lay a dew on young plants. It breaks the water into a fine fog. \$2.10 each.

Garden Hose Plastic Goodyear Vinyl

The finest quality plastic hose we have found yet. Tough, yet pliable. Full-flow "pull proof" couplings of heavy brass. High bursting pressure, long life. Green color. Goodyear Vinyl Plastic $\frac{1}{2}$ inch garden hose. 50-ft. length \$8.50; 25-ft. length \$4.75.



**CLINGER
HOSE MENDERS**
 $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{3}{4}$ in.
Each 20c; doz., \$2.25.

**CLINGER
HOSE COUPLINGS**
 $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{3}{4}$ in.
Each 35c; doz., \$4.00.

IMPORTANT!

Because of the high cost of labor and packing materials, it is necessary for us to ask you please to include sufficient postage on small shipments of sprinklers, nozzles and supplies.

GREENHOUSE WHITE SHADING

50-lb. bag, sufficient for 600 to 700 sq. ft., \$1.50.

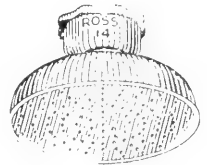


**ANDREWS Plastic
HOSE SPRINKLER**

Andrews Plastic Hose Sprinkler

Because it is 2 tubes of lightweight plastic the Andrews Sprinkler will sprinkle 2 ways or only 1 way. The spray is gentle as an April shower, so fine it will not harm the most delicate flowers.

20 ft.\$2.50 50 ft.\$4.75
30 ft. 3.50 100 ft. 8.75

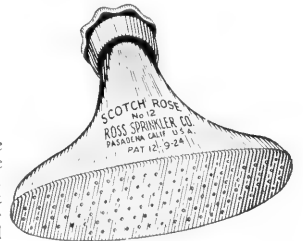


Rose Spray Heads
No. 14. ROUND NOZZLE SPRAY. All brass, distributes water evenly; $\frac{3}{4}$ -inch connection. 85c each.



**Flat
Spray
Sprinkler
No. 10**

Cast brass. Each\$1.40



**No. 12
SCOTCH
ROSE
SPRAY**

Gives the same fan-like spray as the No. 10 Ross, but smaller in size with an oval face. The body is drawn from sheet brass with face seam-cd. No. 12, each \$1.15.

MODEL H



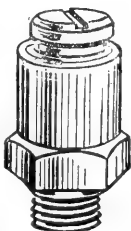
LAWN SPRINKLERS

Rain King Sprinkler
Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 $\frac{1}{4}$ in. tall; 9 $\frac{1}{4}$ in. from nozzle to nozzle. Model H, \$7.25.

SKINNER SYSTEM NOZZLES

Silver Stream. Famous nozzle for outdoor use.

Each
SS Silver Stream ...\$0.08
ST Short Throw12
ST 50 Degrees12
ST 80 Degrees12
Superior Greenhouse
Nozzles35
Skinner Drill Bits ... 1.85



Superior

SMITH BRONX SPRAYER

Unexcelled for spraying plants in the home. Sprayer made entirely of brass, nickel-plated. Sprayer screws to glass bottle. Easy pump stroke up and down. Bronx Bottle Sprayer, qt. size, \$2.10.



Water Breakers

No. 400 DRAMM.
Gives a large volume of water with very little pressure. This breaker is the answer to the florist's problem for an all-purpose watering gadget. It will do most any watering job. This breaker has 400 1/32 in. holes in it. Fits $\frac{3}{4}$ in. coupling. Price each, \$1.50.



Scollay's Florists' Sprinkler



None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Price, \$1.50.

Canvas Kid Ground Soakers

Your Ground Soaker is made from sturdy, high grade canvas, double stitched together down the side and at one end to form a long porous tube. The other end of your Ground Soaker is equipped with a connection for attaching to your hose.

GROUND SOAKERS

18 ft.\$2.00
30 ft. 3.00
50 ft. 5.00



ADVANCE water breaker has 41 drilled holes. Delivers an even spray. Fits $\frac{3}{4}$ -in. hose connection. Each \$2.10.



SUPPLIES FOR THE GROWERS

All F.O.B.
St. Louis

PLANT BANDS

All F.O.B.
St. Louis

Grow All Your Plants, Seeds, and Cuttings This Modern Way

STAPLED WOOD PLANT BANDS

If in the market for 50,000 or over, write for special price. Sturdy plant bands made of cottonwood, securely fastened with two wire staples for quick setup. All bands are packed 1000 to a case except 4x4x4 inch which are packed 500 to a case.

Size in inches	Weight per 1000	Per 1000	Size in inches	Weight per 1000	Per 1000
1 3/4 x 1 3/4 x 2 1/2	28 lbs.	\$4.70	2 1/2 x 2 1/2 x 3	38 lbs.	\$5.50
2 x 2 x 2	28 lbs.	4.70	3 x 3 x 3	45 lbs.	5.90
2 x 2 x 2 1/2	32 lbs.	4.80	3 x 3 x 4	70 lbs.	6.10
2 x 2 x 3	32 lbs.	5.10	4 x 4 x 3	90 lbs.	6.20
2 1/4 x 2 1/4 x 2 1/2	30 lbs.	5.00	4 x 4 x 4	90 lbs.	7.10
2 1/2 x 2 1/2 x 2 1/2	38 lbs.	5.10			



PANSY BASKETS

	100	500	1000
1 quart	\$3.25	\$15.00	\$28.00
2 quart	3.60	17.00	32.00
3 quart	4.00	18.00	34.00



VITA-BAND 10 for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food... your judgment determines need for additional feeding. Vita-Band 10 is identical to Vita-Band "D" except Vita-Band 10 is removed at time of transplant. Vita-Band "D" is not.



VITA-BAND D contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates in the soil permitting free growth of roots from time of transplant. Nutrient-treated with quickly available plant food.



VITA-BAND H is the new nutrient-treated successor that replaces Bird Vita-Band 40. Vita-Band "H" will control root growth of those plants which demand extra long growing periods.

BIRD'S PAPER POTS

RED POTS for Shipping. Your plants will arrive in good condition and protect your reputation for shipping sturdy, healthy plants. They save packing time. Shipped to you set up and ready to use, these pots make shipping a simple one-step operation.

VITA-POTS. Grow and ship in the same pot—saves labor and leaves root ball undisturbed. Nutrient treatment, so successful in Vita-Bands, has now been applied to this sturdy resinous pot. Reduces watering.

Sold in Units of 1000 Only

Size	Red Pots	Vita-Pots
2 1/4-inch (1000 per carton)	\$ 8.60	\$14.95
2 1/2-inch (1000 per carton)	8.70	15.50
3-inch (1000 per carton)	9.15	17.40
3 1/2-inch (1000 per carton)	12.20	22.70
4-inch (500 per carton)	14.70	....
5-inch (500 per carton)	18.15	....

Discounts: 50,000—5%

BIRD'S VITA-BANDS

WHETHER you start your crop in Vita-Band "H", Vita-Band "D", which disintegrates in the soil, or Vita-Band "10", for the shorter growing periods, you can move whole flats at a time. Individual plants are easily removed from the flats for quick transplanting without shock.

HIGHER net profits result because crop handling is more economical, plants are healthier and mature earlier.

PLEASE NOTE: When ordering Vita-Bands check chart how sizes are packed. We do not break cartons. Prices are per 1000.



PRICES - QUANTITIES - WEIGHTS

	SIZES	1 1/2 x 1 1/2 x 2 1/2	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
PRICE PER M	VB-10	3.70	4.00	4.55	5.05	6.00	6.90	9.00	11.25
	VB-D	3.85	4.15	4.65	5.35	6.05	7.05	9.25	11.60
	VB-H		5.45	5.80	6.90	7.65	8.50	10.45	12.90
VITA-BAND 10	QUANTITY PER CASE	2M	2M	2M	2M	2M	1M	500	500
	WEIGHT PER CASE	33 lbs	38 lbs	42 lbs	51 lbs	63 lbs	37 lbs	25 lbs	33 lbs
VITA-BAND D	QUANTITY PER CASE	2M	2M	2M	2M	2M	1M	1M	1M
	WEIGHT PER CASE	21 LBS	24 LBS	27 LBS	32 LBS	41 LBS	24 LBS	32 LBS	42 LBS
VITA-BAND H	QUANTITY PER CASE		1M	1M	1M	500	500	500	500
	WEIGHT PER CASE		26 lbs	30 lbs	36 lbs	22 lbs	26 lbs	35 lbs	46 lbs

Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.

BIRD TOM THUMB FLATS

Tom Thumb Flats are made of heavy water proof fibre resinous material. Use with Vita-Band "D" or Vita-Band "10". The most economical way to sell potted annuals in dozen lots. Potted plants sell easier at premium prices.

No. 1 for 1 doz. 1 3/4-in. Bands

No. 2 for 1 doz. 2-in. Bands



Combination 1 M Flats 12M Vita-Band 10 Per 1000 Sets		Sold in Units of 250 Sets Only Per 1000	Tom Thumb Flats	
Size No. 1	Size No. 2		Size No. 1	Size No. 2
\$86.45	\$95.65		\$44.70	\$49.60

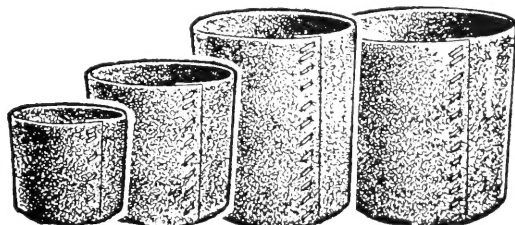
SUPPLIES FOR THE GROWER

APRONS—Greenhouse

RUBBER: Medium heavy, soft and pliable, yet tough and durable. 45 inches long. Each \$3.65.

"CLOVERSET" POTS FOR PLANTS

Made of tough waterproof fiber fabric, asphalt-coated, similar to roofing. We do not break cartons.

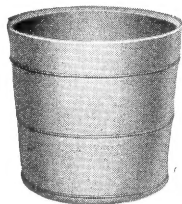


Weight Per 100	Top Diam.	Packed	Per 100	Per 1000
24 lbs.	5-in.—No. 0 (200 to case)	.....	\$3.80	\$34.50
34 lbs.	6-in.—No. 1 (100 to case)	.....	5.10	48.50
54 lbs.	7-in.—No. 2 (100 to case)	.....	5.90	56.50
55 lbs.	8-in.—No. 3 (100 to case)	.....	6.60	63.00

(Orders of 400 pots or more take 1,000 price)

PLANT TUB RICHMOND STYLE

Strongly constructed of wood and held rigid with 3 steel wire straps. Painted green.



No.	Inside top diam.	Price each
No. 2.	7 in.	\$1.40
No. 3.	8 in.	1.50
No. 4.	9 in.	1.75
No. 5.	10 in.	1.95
No. 7.	12 in.	2.40
No. 9.	14 in.	3.50
No. 11.	16 in.	4.15

BAMBOO CANE STAKES Green Dyed, Lead Pencil Thickness

	Bale		Bale
1½ ft., 2000	\$ 7.50	3½ ft., 2000	\$17.50
2 ft., 2000	9.00	4 ft., 2000	21.00
2½ ft., 2000	11.50	5 ft., 2000	25.50
3 ft., 2000	14.00		

HYACINTH STAKES

Pointed wood. Painted green.

	1000 to bale.		
12-inch, bale	\$4.00	18-inch, bale	\$5.35
15-inch, bale	4.75		

GERMACO HOTKAPS

Ideal Method of
Plant Protection

Excellent to protect early plants or seeds against frost, rain, wind and insects. Maintain perfect mulch, promote sturdy growth, increase yield and bring crops to maturity 2 to 3 weeks earlier. Easy to set out; directions on package. Made of waxed paper.

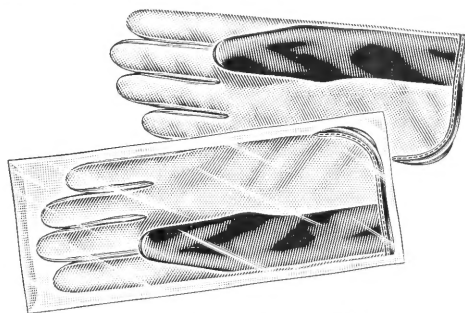
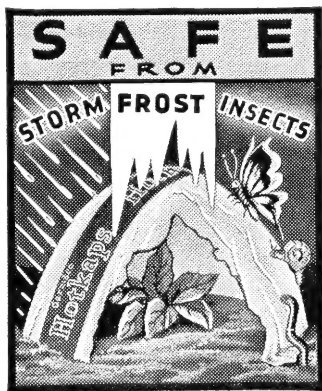
25 Hotkaps with fibreboard setter, \$1.00. 100 Hotkaps with fibreboard setter, \$3.35. 250 Hotkaps with fibreboard setter, \$6.10. 1000 Hotkaps with fibreboard setter, \$16.50.

Steel Hotkap Setter, each \$1.95; Fibreboard Setter, each 25c.

GRAFTING WAX

Use smooth straight scion wood of one season's growth. When scions are set, wax thoroughly. This wax may be used by placing in warm water until soft enough to work. ¼ lb., 35c; ½ lb., 60c.

D-WAX (See Page 31)



GREEN THUMB GLOVES

Soft, washable for garden and house use. Small, medium and large. Specify size when ordering. Price, per pair, 89c.

SOFT TOUCH. Household and gardening glove, size 5½ to 8. Pair, 85c.

GLAZING SUPPLIES

Master Mastics—Master Filler

Gun Grade. A superior grade which will not dry out or crumble. Seals tight, remains soft and pliable. Gal., \$4.35; 5-gal. can, \$21.25.

PERMA-GLAZE PUTTY

Gun Grade Gal. \$3.10; 5 gals., \$15.00

GLASS CUTTERS

Fletcher's Bronze Bearing, 35c each; doz., \$3.50.

GLAZING CHISEL

For applying glazing brads. Each \$2.75



GLAZING GUN

Best for liquid putty.

No. 32.	32 Cubic Inch, 10-in. Barrel	\$5.20
No. 45.	45 Cubic Inch, 14-in. Barrel	6.90

GALVANIZED WIRE BRADS

Easy to drive and made so they will not wedge or crack the glass in driving. Easy to drive with a chisel.

Wire Brads, ⅜-inch, 1-lb boxes \$0.45
Glazing Staples, 1-lb. boxes90

LABELS



POT LABELS are ⅝ inch wide.

Size	Pounds Per carton	Prices per 1000	
		Plain	Painted
4-inch	3½	\$2.90	\$3.40
5-inch	4¾	3.10	3.70
6-inch	5½	3.40	4.15
8-inch	4	5.00	6.20
10-inch	5	6.00	7.30
12-inch	6	7.00	8.60

4", 5", 6", 1000 per carton; 8", 10", 12", 500 per carton. We do not break the cartons.

GARDEN LABELS

Size	Pounds per carton	Packed in cartons	Price per carton	
			Plain	Painted
8x¾ inches	2¾	250	\$2.00	\$2.25
10x¾ inches	4	250	2.25	2.50
12x¾ inches	2	100	1.60	1.85

We do not break the cartons.



TREE LABELS Wired

Packed 1000 to carton. We do not break the cartons.

	Per 1000
Plain—Weight 4 lbs.	\$3.40
Painted	4.20

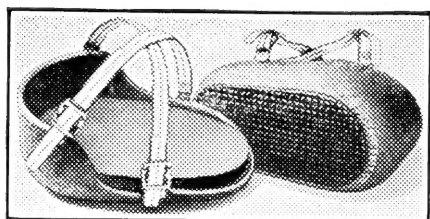
STA-BRIGHT PLANT LABELS

ALUMINUM TREE LABELS. Wired, 3¾ inches long, ¾ inch wide. Made of light metal, mark with nail or steel point. 25 for 35c; 100 for \$1.35; 1000 for \$11.50.

WEATHERPROOF PENCILS

For marking labels. Will not rub off or fade. Each 10c; doz., \$1.00.

SUPPLIES FOR THE GROWER



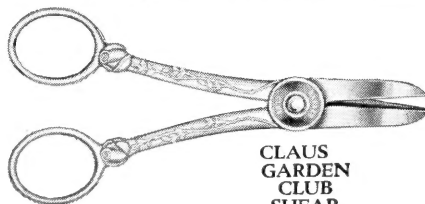
KNEE PADS

A practical, serviceable, comfort-giving knee cushion. Per pair, \$2.25.

IMPORTANT!

Because of the high cost of labor and packing materials, it is necessary for us to ask you please to include sufficient postage on small shipments of sprinklers, nozzles and supplies.

PRUNING SHEARS

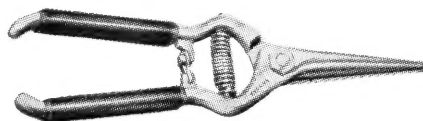


CLAUS
GARDEN
CLUB
SHEAR

A perfect flower and holding shear—snips and grips in one easy scissors cut, without damaging the stem. $6\frac{1}{2}$ inches long. Fine polish, nickel plated. \$2.75.

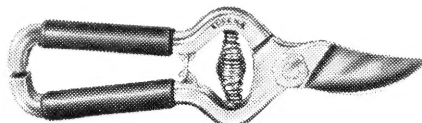
IMPORTED GERMAN PRUNING SHEARS

No. 84. Finest quality, $8\frac{1}{2}$ in. Full polished with ratchet and lock nut. Each \$3.75.



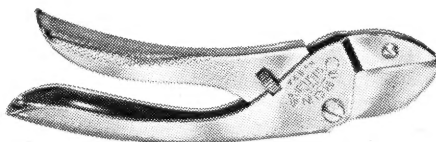
CORONA CLIPPER

A very handy workroom shear. New, heavy duty style especially designed for the florist. No. 21-S. Straight blade. Each \$2.00.



PROFESSIONAL HAND PRUNER Corona-Rieser Pattern

No. 80. Made of the finest steel, 8 inches long, for trimming shrubs and trees. Each \$3.95.



SLICE CUT SHEAR

No. 89-A. Fits the hand like a glove—natural curvature prevents slipping of hand. Highest quality carbon steel. Each \$2.40.



CORONA GRASS SHEAR

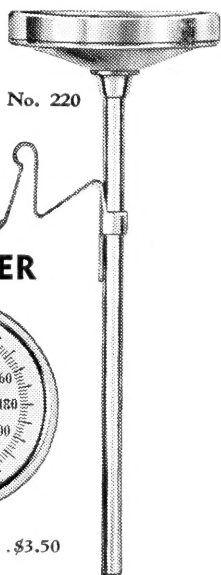
No. 5. Alloy steel, the finest cutlery steel available, is used throughout its construction. It's a light weight shear, beautifully finished and polished. Each \$2.95.



SEED SOWERS

Very popular and extensively used. The bag holds about $\frac{1}{2}$ bushel of seed. It is easily operated.

Cyclone Seeders, standard, \$3.90
Tin Horn Seeders, each.. 1.75

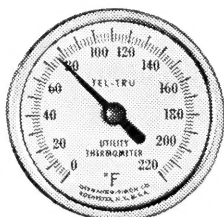


No. 220

SOIL THERMOMETER Tel-Tru Dial Stem

New type, highly recommended for measuring soil temperatures. Easy to read, very accurate. Very handy to use when steam sterilizing. Dial diameter, $2\frac{1}{8}$ ". Stem length 6". 0° to 220° .

No. 220 Each\$3.50



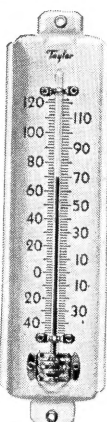
Thermometers Maximum-Minimum

No. 5448. Not only indicates present temperature, but highest and lowest temperatures since previous setting. Favorite among orchardists, operators of greenhouses and cold storage plants. Complete with magnet for resetting. Each \$10.00.

THERMOMETERS

Comfortmeter Wall Thermometer

No. 5140. Magnifying lens tube with non-fading red liquid. Range suitable for outdoors. Ivory finished scale and grey finished wood back. Each \$1.00.



Outdoor Wall Thermometer

No. 5132. Has 7 in. vitreous enameled scale with flanged sides. Magnifying lens tube with non-fading red liquid. Each \$1.50.

SHEET MOSS

Sheet Moss green for lining hanging baskets. 5-lb. box, \$2.25.

SPHAGNUM MOSS

Carefully selected. Finest quality. Free from sticks and other refuse. Gathered from the finest swamps.

Weight, per bale, approximately 20 lbs.

Per bale\$2.50 10 bales\$24.00

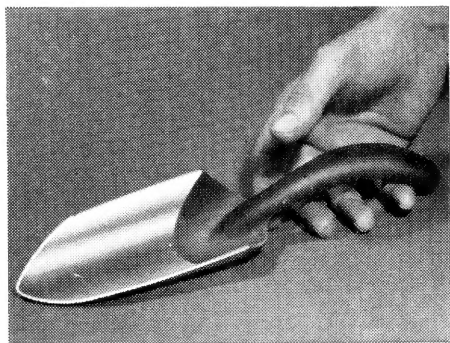
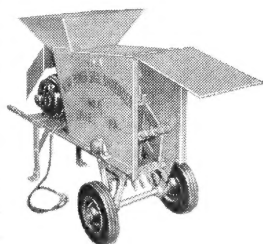
SUPPLIES FOR THE GROWER KEMP POWER SOIL SHREDDERS

Prices are F.O.B. Erie, Pennsylvania.
Subject to change without notice.

- No. 6 Complete with 1½ HP Gas Engine, mounted on truck with wheels.\$170.00
- No. 6 Complete with ¾ HP Electric Motor\$184.00
- No. 1 Complete with 1½ HP Electric Motor, switch and 10' of cord, mounted on truck with wheels.\$495.00

Designed to handle heavy compost under all possible conditions. Low in price, economical to operate. Saves labor and time. Available in three sizes. The machine pictured is the No. 6. A very reasonably priced machine for the small grower. Powered with ½ or ¾ HP electric motor that can be plugged in any socket. Will handle all that one or two men can shovel.

MODEL SKO. For leaves, weeds, vines and other organic material. Can be used for shredding soil, manure, and peat. Power —¾ HP—3450 R.P.M. Motor or 1½ HP Gas Engine. Price, \$160.00.



No-Blist'r Trowel

GARDEN TROWELS

NO-BLIST'R TROWEL. Here is a garden tool that is really designed for the comfort and protection of the gardener. Based on the laws of leverage, the angle of the handle utilizes full working energy. Each \$1.00; doz., \$10.00.

No. 211 GARDEN TROWEL. High carbon steel blade. Half polished, round point, sharpened. Shank forged into blade. Each \$1.10.

STAINLESS STEEL GARDEN TROWEL. The finest trowel made. Forged from highest quality steel and highly tempered. Width 3 inches, depth 4 inches, handle 5 inches. Each \$1.40.



MAGIC WEEDER—SPRING TOOTH

One of the most popular garden tools. Light in weight, comfortable handle. Has unique device for bringing tines closer together so that weeding can be done between more closely spaced plants. Each Doz.

Style C. 5½-in. wood handle\$0.35 \$4.00

Style B. 18-in. wood handle..... .50 5.50

ASPARAGUS KNIVES or WEEDER

V-shaped blade, polished. Can be used as a weeder. Each 65c.

IDEAL WEEDERS

Peculiar shape permits a wide range of work. Price, 65c each.

PEARL CHIPS

PEARL CHIPS, White. For growing bulbs in bowls. 10 lbs., 75c; \$4.50 per 100 lbs.

PEARL CHIPS, Colored. 10 lbs., 90c; \$5.50 per 100 lbs.

RAFFIA

Finest grade West Coast Majunga. Natural finest imported.

1 lb.\$0.80 5 lbs. 3.75

RUST PREVENTIVE "Carters"

For rust-proofing pipes, boilers, stacks and all iron or steel work around the greenhouse. 550 sq. ft. of surface to the gallon.

Black. Per gallon\$2.95 5 gals., per gallon\$2.90

SIMPLEX SOIL TEST OUTFIT

Complete instruction book, directions and charts included. All packed in a strong metal box. The Junior, \$33.50 complete.

TREE WOUND PAINT

A very adherent and long lasting antiseptic dressing for sealing and waterproofing tree wounds. Prevents infection of pruned or damaged portions. Also good for grafting purposes. ½ pt., 65c; pt., \$1.20; qt., \$2.25.



TWIST-EMS

Twist-Ems are dark green, strong tapes with wire reinforcing making that perfect plant tie. Simply put around the stem and twist.

Pkg. of 100 Twist-Ems (8 in.)\$0.25

Carton of 24 pkgs. Per carton 4.25

Pkg. of 100 Twist-Ems (16 in.)50

Carton of 24 pkgs. Per carton 8.25

250-ft. continuous roll, packed 12 to carton; \$8.00 per carton; \$1.00 per roll.

TWINE

(For Tying Boxes, Cartons)

Binder Twine, 8-lb. ball, \$2.50; 48-lb. bale\$14.50

Sisal Twine, 2-ply; 5-lb. ball 2.60

COTTON TWINE—Very Best Grade

In balls, 3-ply; 5-lb. bag\$4.25

In balls, 4-ply; 5-lb. bag 4.25

In 2½-lb. cones, 3-ply and 4-ply 2.20

SEA ISLAND TWINE

Used for wrapping small packages. Also for sprays and design work. Blue, red, pink, lemon, orange, purple, red and white, blue and white, in 2-lb. cones, at \$2.65.

JUTE TOMATO TWINE

2-ply, ½-lb. balls, best grade. 40c per ball; 10 balls, \$3.50.

SISALKRAFT

A most satisfactory and economical cover for sterilizing of soil and shading Pompons.

	Per roll		Per roll
4 ft. x 166 ft.	\$13.35	6 ft. x 166 ft.	\$20.00
5 ft. x 100 ft.	10.00	7 ft. x 142 ft.	20.00

VISQUEEN FILM

Plastic film recommended by the Dow Chemical Co. for covering when using MC-2. Visqueen film has a wall thickness of .004" and is light and easy to handle.

	Per Roll
10½ ft. x 100 ft.	\$28.00
13½ ft. x 100 ft.	35.00
16 ft. x 100 ft.	42.00

Selected . . .

VEGETABLE SEEDS

Pages 1 to 7



Tomato, Rutgers Certified
See Page 7

A. H. HUMMERT SEED CO.

2746 - 48 Chouteau Ave.

St. Louis 3, Missouri